



SMOKY HILL BUFFALOES

SMOKY HILL HIGH SCHOOL

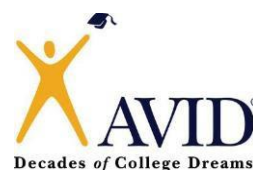
Course Registration Guide

2024 - 2025

A PLANNING GUIDE FOR PARENTS AND STUDENTS



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SMOKY HILL HIGH SCHOOL

2024-2025

COURSE REGISTRATION GUIDE

**A Course Guide
for
Students and Parents**

**Smoky Hill High School
16100 East Smoky Hill Road
Aurora, Colorado 80015
720-886-5300**

QUESTIONS REGARDING THE ACADEMIC PLANNING PROCESS SHOULD BE DIRECTED TO THE FOLLOWING OFFICES:

Graduation Requirements	Counseling
NCAA Initial Eligibility	Counseling
Student's Educational Plan & Course Registration.....	Counseling
Student Data (class rank, test scores, etc.).....	Counseling
Request for Transcript	Post Grad

NOTICE OF NONDISCRIMINATION

Cherry Creek School District No. 5 ("District") does not discriminate on the basis of race, color, national origin, sex, age, sexual orientation, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. Smoky Hill High School does not discriminate in enrollment or access to any of its available programs. The lack of English skills shall not be a barrier to admission or participation in District activities and programs. The District also does not discriminate in its hiring or employment practices.

INTRODUCTION

The Smoky Hill High School Program of Study contains important information about the student course request process and the courses to be offered during the 2024-2025 school year. This information will be helpful as you select courses.

Each year, Smoky Hill High School creates a new master schedule based on data derived from the student course request process. The expectation is that these course requests represent decisions made collaboratively with the student, the student's teachers and counselor, and the student's parents. Based on these requests, courses are scheduled, faculty members are employed, textbooks are purchased, and classrooms are allocated.

Careful planning is essential to a successful and rewarding experience at Smoky Hill High School. A helpful resource will be your Academic Planning Guide to help you to complete the Cherry Creek School District and Smoky Hill High School graduation requirements. Parents, teachers, counselors, and administrators should all be involved in assisting you to develop a comprehensive plan allowing for variety, specific interests, and special preparation for the future. **It is important to emphasize that your counselor is available to assist you in your course selections, but the final responsibility for course selections rests with you and your parents.** We urge you to play an active role in this important task. We are here to help you.

POLICIES PERTAINING TO COURSE SELECTION:

1. *Class Availability:* While every effort will be made to provide the classes a student has selected during course selection, some classes may not be available due to student enrollment numbers, staffing, and budget.
2. *Course Load:* **Ninth grade students** are required to take **seven** classes per semester. Tenth, eleventh, and twelfth grade students are required to take six classes per semester. Regardless of your grade, district policy requires **four** of the classes to be in the core curriculum areas of English, social studies, mathematics, science, or world language. Students needing to take more than six classes because of specific program requirements must have permission from their counselor.
3. *Course Selection & PowerSchool (9th-12th Grade):* Students use the Course Selection Form to help map course selections prior to entering the selections into PowerSchool. If a student does not enter course selections into PowerSchool by the published deadline, a counselor will select classes for him or her.
4. *Schedule Repairs:* Schedule repairs will be made by counselors prior to schedule distribution at fall student check-in. **Schedule repairs are only granted by the counseling department for specific academic circumstances, so please select your courses wisely.**

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GRADUATION REQUIREMENTS

1. Smoky Hill High School has a four-year course of study. Therefore, graduation requirements will be based upon units of credit earned in grades 9, 10, 11, and 12.
2. Twenty-two (22) units of credit must be earned in order to meet district graduation requirements. Specific requirements are listed below. The remaining necessary units of credit will be considered as electives and may be selected from any course in the curriculum.

English: 4 units of credit
Specific English courses are required in grades 9, 10, 11.

Social Studies: 3 units of credit
1 unit of US History is required.
½ unit of Government is required.

Mathematics: 3 units of credit

Science: 3 units of credit

Physical Education/Health: 2 units of credit
½ unit of Health is required.
1 ½ units of elective PE is required.

**Computer/Applied Technology,
Performing Arts, Visual Arts, Family
Consumer Sciences, Business
and Marketing, Yearbook, Newspaper
or Career Tech Education** 1 ½ units of credit
(After completing 3 units of AVID, and
a student may request that 1 credit
maximum be applied towards
graduation requirement.)

3. Sixteen and a half (16 ½) credits of the total of twenty-two (22) credits required for graduation are identified as specific requirements. Because these are deemed basic to each student's education, they can be completed only through attendance and completion of all expectations in a regular, accredited high school.

BEGINNING WITH THE CLASS OF 2022, ALL GRADUATES OF THE CHERRY CREEK SCHOOL DISTRICT, IN ADDITION TO THE REQUIRED 22 CREDIT REQUIREMENTS, MUST ALSO MEET COMPETENCY BENCHMARKS THAT INDICATE PREPAREDNESS FOR SUCCESS IN COLLEGE AND CAREER, AS DETERMINED BY BOARD POLICY IKF. (Please refer to the following page.)

New graduation requirements were modified in 2016, across the State of Colorado, in every school district, to include the Cherry Creek Schools. CCSD, under the direction of Colorado Department of Education and the CCSD Board of Education requires full implementation of the Graduation Requirements district menu of options below is required. The implementation includes 5th, 6th and 7th year seniors from anticipated GY 2021 and all students with an anticipated graduation year of 2022 and beyond, including 3-year graduates (early graduates).

1 Minimum Credits

Course Requirements for Graduation in Cherry Creek School District

Board Policy IKF

A minimum of 22 units of credit shall be necessary for high school graduation.

English	4.0 units
Mathematics	3.0 units
Science	3.0 units
Social Studies	3.0 units
PE	1.5 units
Health	0.5 units
Fine Art/CTE	1.5 units
Electives	5.5 units

3 Essential Skills

Essential Skills Necessary for Success in College and Career

The following skills are critical to success in College and Career.

- Innovation
- Critical thinking skills
- Real world experiences
- Problem solving
- Curiosity / Inquiry
- Relevancy
- Working in teams
- Communication skills
- Project based learning
- Flexibility / Adaptability

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Competency Menu of Options

Regulation IKF-E

In addition to required coursework, all students must demonstrate career or college readiness in mathematics and Reading/Writing/Communicating through at least one menu option below.

	Reading/Writing/Communicating	Mathematics
Next Generation Accuplacer	241 Reading or 236 Writing	255 Arithmetic (AR) or 230 Quantitative Reasoning, Algebra and Statistics (QAS)
Classic Accuplacer	62 Reading Comprehension or 70 Sentence Skills	61 Elementary Algebra
ACT	18	19
ACT Work Keys	Bronze or higher	Bronze or higher
Advanced Placement (AP)	2	2
ASVAB (AFQT score)	31 st percentile	31 st percentile
Concurrent Enrollment	Passing Grade	Passing Grade
International Baccalaureate (IB)	4	4
SAT	470	500
District Capstone	Secondary Literacy Assessment	Portfolio of Skills Exams
Industry Certificate	District Determined	District Determined
Performance Based Assessment (PBA)	State Determined	State Determined

ACADEMIC PLANNING GUIDE

SUBJECT	High School Graduation (Minimum Requirements)	Colorado Council for Higher Education Requirements
ENGLISH	4 Units of Credit (Specific English courses are required. Please refer to the English section of this document.)	4 Units of Credit (Specific English courses are required.)
SOCIAL STUDIES	3 Units of Credit (1 unit of US History and ½ unit of Government are required.)	3 Units of Credit
MATHEMATICS	3 Units of Credit	4 Units of Credit (Algebra 1 level or higher)
SCIENCE	3 Units of Credit	3 Units of Credit (2 units must be lab based)
WORLD LANGUAGES	0 Units of Credit	1 Unit of Credit
PE/HEALTH	2 Units of Credit (1/2 unit of Health and 1 ½ units of elective PE)	Please refer to the individual colleges for specific requirements.
FINE ARTS*	1 ½ Units of Credit	Please refer to the individual colleges for specific requirements.

**Includes courses from the Computer /Applied Technology, Performing Arts, Visual Arts, Family and Consumer Sciences, Business and Marketing, Yearbook, Advanced Yearbook, Newspaper 1, Newspaper 2 and/or Career Technical Education.*

Total of Specific Units of Credit: 16.5 (Minimum)
Total of Elective Units of Credit: 5.5 (Minimum)
 Total Units of Credit: 22.0 (Minimum)

COLLEGE ADMISSIONS INFORMATION

It is very important that students and parents begin early in the student's high school career to consider general and specific requirements for college admissions. Admission requirements vary for each college, university, technical, art, or other post high school institution. These range from a high school diploma to four years of English, math, science, social studies, world language, and other specific courses. Although no single program of high school preparation will guarantee college admission, there are high school courses that will give students better preparation for the specific school they want to attend and will also give them better preparation for the college admissions tests. Generally speaking, the better the preparation in high school, the wider the choice of college upon graduation.

As a general guideline, the following areas and courses are considered important in preparing for college:

English:

Since colleges continue to place emphasis on the ability to write and express oneself clearly and accurately, writing and grammar courses should be included in your planning. Most colleges require four years of English.

Mathematics:

Algebra 1, Geometry, and Algebra 2 are considered basic preparation by many colleges. Anyone contemplating a career related to math and science, such as engineering, should have eight semesters of high school math, including calculus.

Science:

At least six semesters of lab science is required; some colleges required as much as eight semesters, including one in biology and one in chemistry or physics. Anyone contemplating a career related to science should complete eight semesters of high school science.

Social Studies:

In addition to the Smoky Hill US History and Government requirements, many colleges recommend that students should have courses in history, geography, or other social studies. Some colleges require a total of six or more semesters of high school social studies.

World Language:

Colleges vary in this admission requirement. Many colleges require successful completion of two to four levels of the same world language. Students who successfully complete World Language requirements broaden their opportunities for admissions.

Other Courses:

Colleges are not only interested in the areas of English, math, science, social studies, and world language, but also in computer science, applied technology, fine arts, family and consumer sciences, and business/marketing which are offered at Smoky Hill High School. Although colleges place emphasis on academic subjects, the most selective colleges recognize achievement in all courses as well as in co-curricular activities. Please refer to individual college admission standards for specific requirements.

Information regarding careers, college admissions, and post high school planning is available in the Post Graduate Center. Counselors are available to assist students with college and career planning or other post high school planning. Students are expected to meet with their counselor each year to discuss both their short and long range plans.

NAVIANCE

Family Connection from Naviance is a web-based service designed especially for students and parents. Family Connection is a comprehensive website to help students and parents make decisions about colleges and careers. Family Connection is linked with Counselor's Office, a service that the counseling office uses to track and analyze data about college and career plans. It provides up-to-date information that is specific to Smoky Hill.

Family Connection will allow students and parents to:

Get involved in the planning and advising process – Build a resume, complete online surveys, and manage timelines and deadlines for making decisions about colleges and careers.

Research colleges – Compare GPA, standardized test scores, and other statistics to actual historical data from our school for students who have applied and been admitted in the past.

College visits – Find out which colleges are visiting our school and attend the sessions.

Receive important information – Receive information on upcoming meetings and events, local scholarship opportunities, and other online resources for college and career information.

To visit our school Family Connection site, use your web browser to connect to:

<http://connection.naviance.com/smokyhill>

When you visit for the first time, please enter your personal registration code, which is the student's identification number, in the New User box and follow the on-screen instructions to create your own account.

Once you have your own account, you will sign in using the user name and password you chose during the registration process.

We hope that you will find this resource helpful. If you have further questions about Family Connection, please contact the counseling office.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

The AVID Classroom

The Advancement via Individual Determination program, better known as AVID, is designed to push students to a higher rigor at an appropriate pace, while providing in-class support through an AVID class. It is directed towards college bound students who would thrive by building strong relationships with their teachers and peers, while also adding successful college skills to their toolbox.

The AVID class supports students through a variety of strategies. In the class, students work on skills such as time management, Cornell note taking, critical reading, research, collaboration, communication, inquiry, and organization. Teachers stress the importance of “writing as a tool for learning” and help support students through daily tutorials sessions led by trained tutors. The goal of the AVID tutorial session is to help students with the process of learning through inquiry, rather than giving students the answers to their questions. Students also learn the value of collaboration and develop skills in writing “higher order thinking questions,” according to Costa’s three levels of questioning.

The foundation of the AVID program is to prepare and motivate students for college. The AVID class activities emphasize test-taking skills and focus extensively on the math and English language concepts seen on standardized tests. Students have the opportunity to practice “mock” SAT and ACT exams, so they are fully prepared on test day. AVID classes also participate in motivational activities, including college and career research, community service learning experiences, college fairs, leadership conferences, and college field trips to UNC, Metro, CSU, Mesa, Western State, Wyoming, DU, and CCS.

AVID and Elective Classes

AVID is a structured support program and not a separate curriculum. AVID students are open to a variety of electives based on their interest and current state requirements.

AVID and Advanced Placement (AP) Courses, Honors, and Concurrent Enrollment

AVID students are expected to increase their rigor of classes each year. One-on-one conferences with the student’s AVID teacher will help determine when students are ready to increase their rigor. All AVID students are expected to complete a minimum of one AP or concurrent enrollment class during the course of high school. AP courses are offered grades 9-12.

**Students enrolled in MYP may take AVID.*

AVID with Distinction

Students who are involved in AVID are eligible to receive a series of additional awards and scholarships specifically designed for AVID students. Some of these awards are listed below.

AVID with Distinction: Granted to AVID students who complete 40+ hours of community service, maintain a 2.5 GPA or better, and complete a minimum of one AP class and test.

SHHS AVID Scholarship: Students who complete 3 years of SHHS AVID are eligible to receive up to \$2000 from the SHHS AVID Scholarship Fund.

CCSD AVID Scholarship: Students who complete 3 years of AVID in CCSD are eligible to receive money from the CCSD AVID Scholarship Fund.

The Dell Scholars Program: Offered to those high school students participating in an approved AVID program. The funding for each Dell Scholar is \$20,000.

Scholarship Application Assistance: The senior teacher and counselor work together to find other scholarships and assist students in their applications.

If you have any further questions regarding the SHHS AVID program and course offerings, please contact Brian Lee: blee41@cherrycreekschools.org

Concurrent Enrollment Courses

Smoky Hill High School offers numerous Concurrent Enrollment credit courses. The Concurrent Enrollment program creates options for students still in high school to receive both high school credit and college credit for Concurrent Enrollment classes. In partnership with our greater community, we are an extended campus of the Community College of Aurora and Arapahoe Community College.

Concurrent Enrollment courses prepare students for the rigor and culture of college. Students begin building a college transcript while they complete their high school graduation requirements. Students must receive a “C” or better to receive transferable college credit. College credits may transfer to a two or four year college or university. Students should check with the accepting institution for credit acceptance. Tuition is paid by Cherry Creek Schools and the College Opportunity Fund. All students must apply for the College Opportunity Fund (COF). The COF stipend pays a portion of a student’s tuition. All students must complete an application for the COF at <https://cof.college-assist.org>.

Concurrent Enrollment college credit is subject to course and teacher approval, prerequisites, and completion of all required registration steps by the majority of the class within the designated semester deadline. Courses may be subject to cancellation for Concurrent Enrollment college credit due to unforeseen changes.

CONCURRENT ENROLLMENT COURSED OFFERED
English CE English Composition I CE Intro to Literature I CE Competitive Speech & Debate (Elective Credit)
Math CE College Algebra CE College Trigonometry
Social Studies CE American Government CE General Psychology I CE General Psychology II CE Intro to Political Science CE US History CE Women In World History
Business CE Intro to Business
Electives Automotive Technology II Automotive Technology III CE Criminal Justice & Law I CE Criminal Justice & Law II * Pro Start 1 (Dual Enrollment) * Pro Start 2 (Dual Enrollment) *Optional credits available at reduced cost

For further information please contact the concurrent enrollment office at 720-886-5420

Advanced Placement (AP) Classes

The major purpose of Advanced Placement (AP) courses is to give Smoky Hill students the opportunity to take college level classes which are challenging and thought provoking. At the same time, AP courses provide the chance for students to gain advanced placement and/or credit in the college of their choice.

Advantages of taking AP classes:

- AP courses and exams begin the journey through college level academics.
- Collegiate institutions recognize that applicants with AP experience are better prepared for the demands of college.
- Tuition savings are realized for students whose AP exam grades are considered acceptable because of the credit and/or advanced placement granted by most US colleges.
- AP students are eligible for honors and other special programs in college.

Expectations for students enrolled in AP courses:

- Commitment to the time necessary to complete the rigorous coursework. Students should expect
- 1 ½ hours per class session and/or teacher led out-of-class AP study sessions. Some classes may also require summer homework.
- Enrollment in the course for the entire school year. The time commitment and depth of the content can sometimes be overwhelming; however, those are not reasons for dropping or transferring.
- Register and sit for the spring AP exam. The cost for one AP exam is approximately \$95 and partial exam scholarships may be available.

Smoky Hill AP Courses:

English: AP English Language, AP English Literature

Social Studies: AP US History, AP European History, AP Psychology, AP Human Geography, AP African American Studies, AP US Government & Politics

Math: AP Calculus AB, AP Calculus BC, AP Statistics

Science: AP Physics

World Languages: AP Spanish Language & Culture, AP Spanish Literature & Culture

Other: AP Music Theory, AP Art History, AP Computer Science Principles,

AP Scholar Awards Program:

AP Scholar: Granted to students who receive 3.0 or higher on three or more AP exams on full year courses (or the equivalent).

AP Scholar with Honor: Granted to students who receive an average grade of at least 3.25 on all AP exams taken and grades of three or higher on four or more of these exams on full year courses (or the equivalent).

AP Scholar with Distinction: Granted to students who receive an average of at least 3.5 on all AP exams taken and grades of three or higher on five or more of these exams on full year courses (or the equivalent).

National AP Scholar: Granted to students in the US who receive an average grade of at least 4.0 on all AP exams taken, grades of four or higher on eight or more of these exams on full year courses (or the equivalent).

INTERNATIONAL BACCALAUREATE (IB) MIDDLE YEARS PROGRAM (MYP)

The IB Middle Years Program, for students aged eleven to sixteen, provides a framework of academic challenge that encourages students to embrace and understand the connections between traditional subjects and the real world, and become critical and reflective thinkers. The program consists of eight subject groups integrated through six global context that provide lenses for learning within and across the subjects. The emphasis is on the fluidity of the curricular framework and the interrelatedness of the subjects. Aspects of the areas of interaction are addressed naturally through the distinct disciplines. The overall philosophy of the program is expressed through three fundamental concepts that support and strengthen all areas of the curriculum. These concepts are based on intercultural awareness, holistic learning, and communication.

The IB Middle Years Program curriculum at Smoky Hill High school consists of eight groups:

Arts	Individuals and Societies	Language and Literature	Physical Education and Health
Design	Language Acquisition	Mathematics	Sciences

Further Requirements:

In the final year of the program (10th grade), each student is required to complete a **Personal Project**. This project is a significant piece of work that is the product of the student's own initiative and creativity. Each IB student is responsible for their own choice of topic, development of criteria, planning implementation, and reflection on processes and progress. All of which is explored through their chosen global context. The entire project is completed under the supervision of the project coordinators and an assigned supervising teacher. Students present their projects in an authentic report that is internally assessed and attend a completion ceremony.

INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAM (DP)

The IB Diploma Program is a comprehensive and rigorous two-year curriculum, leading to examinations, for students aged between sixteen and nineteen. Based on the pattern of no single country, it is a deliberate compromise between the specialization required in some national systems and the breadth preferred in others. The general objectives of the IB program are to provide students with a balanced education; to facilitate geographic and cultural mobility; and to promote international understanding through a shared academic experience.

The IB Diploma program curriculum at Smoky Hill High school consists of six groups with studies in:

Individuals and Societies	Language Acquisition	Mathematics
Experimental Sciences	Language and Literature	Sixth Subject

The **Extended Essay (EE)** is an independent, self-directed piece of research finishing with a 4,000 word paper. This is completed their Senior year with supervision of a selected teacher.

The **Theory of Knowledge (TOK)** course taken second semester Junior year and first semester Senior year explores the relationships among the various disciplines and ensures that students engage in critical reflection and analysis of the knowledge acquired within and beyond the classroom

Creativity, Activity, Service (CAS) requires students to take part in a range of student service learning experiences, activities, and projects.

All IB Diploma Candidates are required to test in one subject from each of the groups. At least three and not more than four of the six subjects are taken at the Higher level, the others at Standard level. Each examined subject is graded on a scale of 1 (minimum) to 7 (maximum). The award of the Diploma requires a minimum total of 24 points and the satisfactory completion of the Extended Essay, TOK, and CAS. Bonus points may be awarded for the exceptional essay or performance in Theory of Knowledge.

IB Approaches to Learning (ATLs) and IB Approaches to Teaching

The IB Programs implement Approaches to Learning (ATL) skills (**Communication Skills, Social Skills, Self-Management Skills, Research Skills and Thinking Skills**) across all curriculum content areas in order to help students become self-regulated, intrinsically motivated learners and learn how to learn. These skills provide a solid foundation for learning independently and with others, empower learners to succeed in meeting challenges as well as help students prepare for and demonstrate their learning.

The IB programs put the students at the center of the learning process. IB Teachers ensure that learning is engaging, relevant, challenging and significant in each subject area. Each level of the IB Programs Approach Teaching is driven by **assessment, differentiated** to meet the needs of all learners based on **inquiry**, focused on **conceptual understanding**, fostering **collaboration**, and centered on both **local and global context**.

For further information contact the IB Office at 720-886-5420

INTERNATIONAL BACCALAUREATE COURSE SEQUENCE

SUBJECTS	GRADE 9	GRADE 10	GRADE 11	GRADE 12	Testing Opportunities
Language and Literature - English (Subject Group 1)	IB MYP English 9	IB MYP English 10	IB English 11	IB English 12	HL and SL
Language (Subject Acquisition Group 2) Japanese Latin Sign Language▲ Spanish Spanish Ab Initio	Level 1 or 2 Level 1 Level 1 Level 1 or 2	Level 2 or 3 Level 2 Level 2 Level 2 or 3	Level 3 or 4 Level 3 Spanish Ab Initio 1 Level 3 or 4 Level 1	Level 4 or 5 Level 4 Spanish Ab Initio 2 Level 4 or 5 Level 2	Ab Initio SL Ab Initio SL Ab Initio
Individuals and Societies (Subject Group 3)	IB MYP World Geography and IB MYP Government	IB MYP American History	IB European History IB History of the Americas IB Psychology SL	IB Contemporary World IB Psychology HL IB Psychology SL	HL and SL HL and SL
Sciences (Subject Group 4)	Integrated Science Honors	Chemistry Honors	IB Biology SL IB Chemistry SL IB Environ. Systems & Societies SL IB Physics SL IB Sports, Exercise & Health Science SL	IB Biology SL IB Chemistry SL IB Environ. Systems & Societies SL IB Physics SL IB Sports, Exercise & Health Science SL	SL
Mathematics (Subject Group 5)	Algebra 1 Geometry Honors Geometry Honors Algebra 2/Trig Pre-Calc	Honors Geometry Honors Algebra 2/Trig Honors Algebra 2/Trig AND Pre-Calc Pre-Calc Calculus BC	Honors Algebra 2/Trig IB Math Apps HL 1 AP Calculus AND/OR IB Math Apps HL 1 AP Statistics	IB Math Apps SL 2 IB Math Apps HL 1 AND HL 2 IB Math Apps HL 2	HL and SL
PE* and Health (Subject Group 6 for MYP - 9 th and 10 th) Arts● or Design∞ (Subject Group 7 & 8 for MYP - 9 th and 10 th)	Health 9 PE * Art ● or Design ∞	Optional PE * Art ● Design ∞			
Sixth Subject ■ (Subject Group 6 for DP - 11 th and 12 th) and TOK			Sixth Subject (group 6) ■ Theory of Knowledge (TOK)		HL and SL in 6 th Subject
Further MYP/DP Requirements	Community Service is not required, but it is recommended.		Extended Essay CAS (Community Service – 75 hours/year) Total of 150 hours		

Testing Opportunities: HL= Higher Level Examinations SL = Standard Level Examinations

▲ **Sign Language** is only offered at the MYP 9th and 10th grade level. For DP 11th and 12th Spanish Ab Initio is required.

* **Physical Education** opportunities: Personal Fitness, Team Sports, Yoga, or Swimming

(Note: One semester of PE is required during freshman year; One additional year of PE is required for CCSD graduation)

● **Art** opportunities: Visual: Drawing/Painting I and II, Photography/Digital Mixed Media, or Pottery/Sculpture
Performing: Band, Choir, Dance, Guitar I and II, Music Tech Lab I and II, Music Theory, Orchestra, Piano, or Theater

∞ **Design** opportunities: 2D Design, 3D Design & Animation, Advanced 3D Design, Game Design, Marketing, Student Leadership, or Yearbook

■ **Sixth Subject** electives: Business (HL, SL), Chemistry (SL), Dance (HL, SL), Digital Art (HL, SL), Environmental Systems & Societies (SL), Film (HL, SL), Music (HL, SL), Physics (SL), Psychology (HL, SL), Sports, Exercise & Health Science (SL), Theatre (HL, SL), or Visual Art (HL, SL)

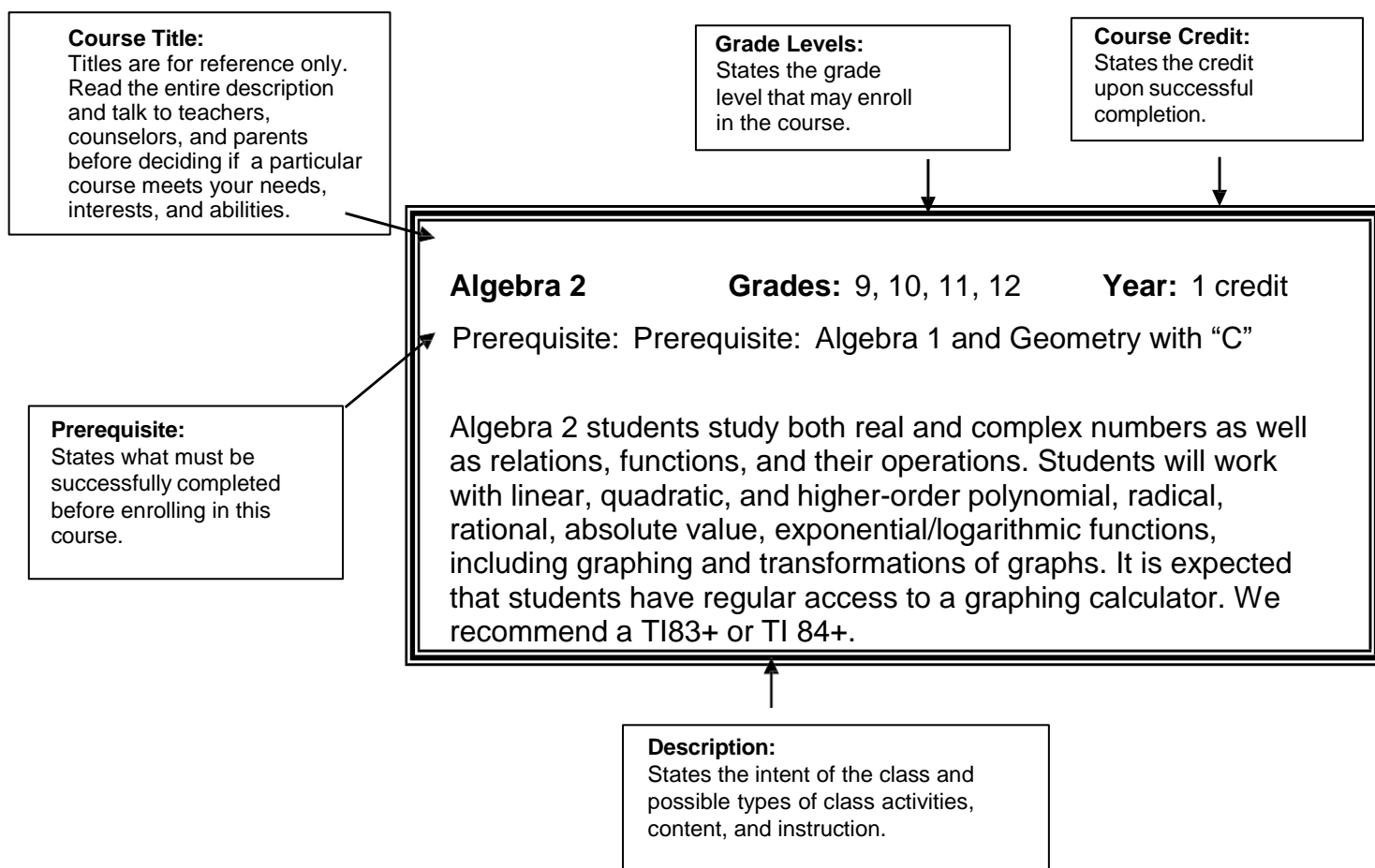
DEPARTMENT FLOWCHARTS


Each department has developed a flowchart to help guide students in course selections. The flowchart precedes department course descriptions and demonstrates expected course sequences.

Department Course Descriptions

Department course descriptions follow department flowcharts. The course descriptions are listed in alphabetical order.

Below is a sample course description in the style used throughout the guide. Carefully read the explanations provided.



Courses with the  designation next to the course title are Concurrent Enrollment courses. The courses are offered during the school day and taught by qualified high school teachers. Specific course alignment and requirements are outlined in the course description.

****Concurrent Enrollment college credit is subject to course and teacher approval and completion of all required registration steps by the majority of the class within the designated semester deadline. Courses may be subject to cancellation for Concurrent Enrollment college credit due to unforeseen changes.**

BUSINESS & MARKETING

BUSINESS/MARKETING/INSTRUCTIONAL TECHNOLOGY

9th	10th	11th	12th
Accounting 1 (9-12)	Accounting 1 (9-12)	Accounting 1 (9-12)	Accounting 1 (9-12)
Intro to Business ^ (9-10 Only)	Personal Finance (10-12)	Personal Finance (10-12)	Personal Finance (10-12)
	Marketing 1/DECA (10-11 Only)	IB Business Management SL 1 (11-12)	IB Business Management HL 1 (12)
	Accounting 2 (10-12)	Marketing 2/DECA Sports-Social Media (11-12)	Marketing 2/DECA Sports-Social Media (11-12)
	Marketing CO-OP (10-12)	Legal Environment of Business (11-12)	Legal Environment of Business (11-12)
		Accounting 2 (10-12)	Accounting 2 (10-12)
		Marketing CO-OP (10-12)	Marketing CO-OP (10-12)

^ Concurrent Enrollment

Bold = Preferred class for grade level

BUSINESS

*Courses with weighted grades

ACCOUNTING 1: FUNDAMENTALS OF ACCOUNTING

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: None

Introduces accounting fundamentals with emphasis on the procedures and practices used in business organizations. Major topics include the accounting cycle for service and merchandising companies, including end-of-period reporting. Students are encouraged to join FBLA (Future Business Leaders of America).

ACCOUNTING 2: PRINCIPLES OF ACCOUNTING

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Successful completion of Accounting 1 AND Instructor Approval

This course introduces accounting principles for understanding the theory and logic that underlie procedures and practices for business organizations. Major topics include the accounting cycle for service and merchandising companies, internal control principles and practices, notes and interest, inventory systems and costing, and plant and intangible asset accounting. Students are encouraged to join FBLA (Future Business Leaders of America).

*IB BUSINESS AND MANAGEMENT SL

Grades: 11, 12

Year: 1-2 credit

Prerequisite: MYP, Instructor Approval, Marketing recommended

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at either the Standard or Higher Level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative implications. These courses also equip students with knowledge and understanding of business terminology, concepts and principles. Membership in DECA is an important part of any Marketing class; therefore, students will be encouraged to join our local DECA chapter. (There is a required local, state, and national DECA fee).

Note: Employment at a part-time job or school store will count as one credit.

*IB BUSINESS & MANAGEMENT HL

Grades: 12

Year: 1-2 credit Prerequisite:

IB Business and Management SL

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at either the Standard or Higher Level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative implications. These courses also equip students with knowledge and understanding of business terminology, concepts and principles. Membership in DECA is an important part of any Marketing class; therefore, students will be encouraged to join our local DECA chapter. (There is a required local, state, and national DECA fee).

Note: Employment at a part-time job or school store will count as one credit.

CE INTRODUCTION TO BUSINESS



Grades: 9, 10, 11, 12

Semester: ½ credit / College 3

Prerequisite: None

Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics. This course aligns with the Colorado Community College course Introduction to Business (BUS 115). Students will have the opportunity to earn high school credit while at the same time enroll in and earn community college credits with the opportunity to transfer credit to an institution of higher education. If the student is interested in earning community college credit, an additional free application is required. More information can be found at www.cherrycreekschools.org/cte on the Concurrent Enrollment tab. Students are encouraged to join FBLA (Future Business Leaders of America).

LEGAL ENVIRONMENT OF BUSINESS

Grades: 11, 12

Semester: ½ credit

Prerequisite: None

Emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is devoted to economic regulation, social regulation, regulation and laws impacting labor management issues, and environmental concerns. Students develop an understanding of the role of law in social, political, and economic change

MARKETING

*Courses with weighted grades

MARKETING 1: ESSENTIALS OF MARKETING / DECA

Grades: 10, 11

Year: 1 credit

Prerequisite: None

Presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to businesses and the individual consumer. Membership and participation in DECA (an Association of Marketing Students) is required. **This course will satisfy the IB MYP Design requirement.**

Marketing 1 is a prerequisite for Marketing 2 that simultaneously offers high school and college credit. Only students enrolled in Marketing classes can participate in DECA, a co-curricular chapter. DECA (an Association of Marketing Students) allows members opportunities to develop leadership skills, participate in community service projects, and enjoy social activities. Students will also be eligible to travel and compete in marketing competitions, both locally and nationally. A chapter membership fee of \$30 is involved.

MARKETING 2: SPORTS & ENTERTAINMENT, SOCIAL MEDIA / DECA

Grades: 11, 12

Year: 1 credit

Prerequisite: Marketing 1

Defines the importance and the role of marketing, media and public relations in the event planning industry. Identify marketing and communication tools such as social media, promotional events, networking and blogs. Design a marketing plan to include target market research, communication tools, objectives, strategies, and implementation. Focuses on the use of social media as a business strategy and how to match strategy with the goal of business. This course compares social media marketing with traditional marketing and explores online best practices to further business goals.

MARKETING CO-OP

Grades: 11, 12

Year: 1 credit

Prerequisite: Marketing 1 AND Enrollment in Marketing 2, Sports and Entertainment, IB BM SL or IB BM HL

This course is an entrepreneurial operation in a school setting that provides goods/services to meet the needs of a market. Students will learn hands-on retail procedures including customer service, advertising, sales, merchandising and math. Employment in a Marketing related job or in the school store will count as one credit. Students need to work 125 hours each semester.

PERSONAL FINANCE

Grades: 10, 11, 12

Semester: ½ credit

Prerequisite: None

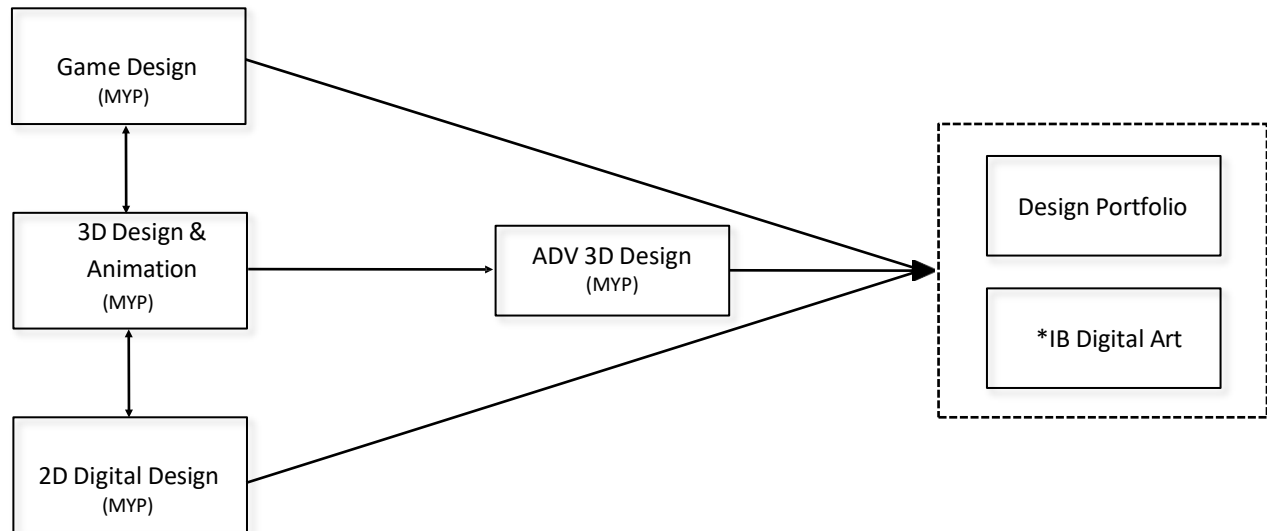
Surveys the basic personal finance needs of most individuals and introduces the personal finance tools useful in planning and instituting a successful personal financial philosophy. The course emphasizes the basics of budgeting, buying, saving, borrowing, career planning, investing, retirement planning, estate planning, insurance, and income taxes. Students are encouraged to join FBLA (Future Business Leaders of America).

COMPUTER & APPLIED TECHNOLOGY

DIGITAL DESIGN

9th-12th

11th-12th



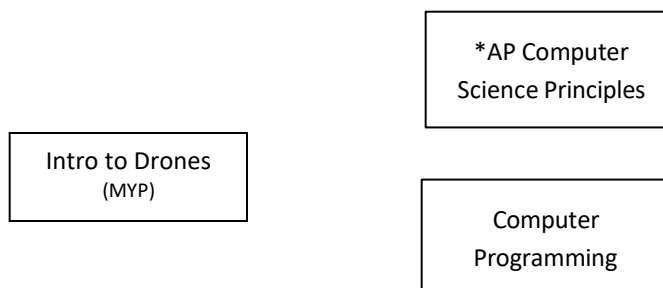
AUTOMOTIVE

10th-12th



COMPUTER SCIENCE

9th-12th



NOTE: Automotive Technology I— Prioritize Sophomores during enrollment, Seniors enrolled with approval only

DIGITAL DESIGN

*Courses with weighted grades

2D DIGITAL DESIGN

STEM, MYP

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

Students will explore the world of 2D design and digital art. Topics include illustration, comic book art, digital painting, imaging, laser cutting, as well as implementing a concept design process. Techniques and applications are taught using professional hardware and software applications. This entry level course is for training in the visual communication portion of all media businesses. Students learn about a career in the many kinds of media and graphic design and illustration jobs. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this class. This is helpful for any future photographer, videographer, animator or advertiser. Students will begin developing a high quality portfolio for college or design school. This class is ideal for artists, designers, photographers, and students pursuing careers in engineering, industrial design, or architecture.

This course will satisfy the IB MYP Design requirement.

Note: Lab fee of \$20 is required for art supplies and materials.

3D DESIGN AND ANIMATION

STEM, MYP

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

Students will explore the world of 3D design and animation for both entertainment and visualization industries. Topics include 3D modeling, lighting, rendering, animation, 3D printing, cnc machining, as well as implementing a concept design process. Techniques and applications taught are used in numerous professional careers including: engineering, medical, forensics, graphic design & advertising, scientific research, military simulations, game design, animation, and film production. This course covers essential knowledge, skills, and concepts required for postsecondary fields of study. Upon completion of this course, students are able to describe various careers within animation, as well as admission requirements for postsecondary fields of study in Colorado. Students will digitally create 3D computer-generated animations. The basic principles of design and animation will be covered that have been used by professionals. Students will have drawing assignments to help them in character design, layout, and story development. This course is ideal for artists, and students pursuing careers in architecture, engineering, industrial design, game design, and entertainment industries.

This course will satisfy the IB MYP Design requirement.

Note: Lab fee of \$20 is required for art supplies and materials.

ADVANCED 3D DESIGN

STEM, MYP

Prerequisite: Successful completion of 3D Design AND Animation or Instructor Approval

Grades: 10, 11, 12

Semester: ½ credit

Students will further explore the world of 3D design and animation for both entertainment and visualization industries. This course will build on methods and techniques gained from "3D Design and Animation", as well as professional production workflows. Advanced topics include 3D production modeling, digital sculpture, studio lighting, production rendering, animation, 3D printing, cnc machining, as well as advanced concept design methods. Students will use professional applications to create digital sculptures, models, pre-visualizations and animations. This course allows students to apply knowledge of animation to complete fully developed projects that may be used in their portfolio. Students will have the opportunity to further their progression by learning acting techniques, lip sync, advanced walk/run/jump cycles, rigging 2D and 3D characters using bones, forward kinematics, inverse kinematics, soft-body dynamics, cloth and clothing, and special effects (smoke, fire, fog). Students may also have an opportunity to explore other related areas including motion graphics, visualizations, interactive applications, and game simulations. In addition to at least one major individual project, students will combine their talents in a group project. Students are expected to create animated shorts that can be seen in the community. This course is ideal for artists, and students pursuing careers in architecture, engineering, industrial design, game design, and entertainment industries.

This course will satisfy the IB MYP Design requirement.

Note: Lab fee of \$20 is required for art supplies and materials.

DESIGN PORTFOLIO

STEM

Prerequisite: Completion of at least one design class (2D Design, 3D Design & Animation, Advanced 3D Design) or Instructor Approval

Grades: 11, 12

Year: 1 credit

Design Portfolio is an intensive, one year course that guides design career focused students in skill development, concept design, final production, and portfolio development. It is structured to encourage individual exploration of a variety of applications, artistic mediums, design styles, hardware, and the ever-changing technology trends. Techniques and applications taught are used in numerous professional careers including: engineering, architecture, industrial design, forensics, medical & scientific research, military simulations, graphic design, advertising, game design, and film production. This class will help guide students to become active independent learners and better prepare them for their future career. This course allows for advanced work in the Design & Multimedia Arts Program of Study. This advanced work can be individualized to the specific program of study to allow for specialized study for the student. It may include project-based learning or preparation for the end of program industry certification. Specific content and course design will be determined by the instructor in collaboration with the individual student. This course is ideal for artists, and students pursuing careers in architecture, computer science, engineering, industrial design, game design, and entertainment industries.

Note: Lab fee of \$40 for art supplies and materials

DIGITAL DESIGN

*Courses with weighted grades

GAME DESIGN

STEM, MYP

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

Students will explore the world of 2D/3D game design and interactive media for both entertainment and visualization industries. This curriculum focuses on game theory, design, programming, game art, and production. Students will be guided through the conceptual, visual, and technical aspects of contemporary video game creation using leading professional platforms. Game Design combines problem-solving techniques with computer game design and implementation to introduce the student to basic gaming and computer science concepts. Students design, implement, and test computer games using software that allows for basic game creation through a wide variety of game creation tools. This course is ideal for artists, and students pursuing careers in architecture, engineering, industrial design, game design, and entertainment industries.

This course will satisfy the IB MYP Design requirement.

Note: Lab fee of \$20 is required for art supplies and materials.

*IB DIGITAL ART SL/HL

STEM

Prerequisite: Completion of at least one design class (2D Design, 3D Design & Animation, Advanced 3D Design) or Instructor Approval

Grades: 11, 12

Year: 1 credit

IB Digital Art is an intensive, two-year course that guides students to develop aesthetic, conceptual, technical, and cultural knowledge of both digital media and visual arts. It is structured to encourage individual exploration of a variety of media, art styles, movements, cultures and societies. Students enrolled in this course will test either at the Standard Level (SL) or Higher Level (HL) as a senior. The culminating event for the senior student is the IB Visual Arts Exhibition Portfolio. The student's portfolio will be submitted to an independent trained IB examiner. The exam consists of an assessment of the student's studio work and research created over the two-year period.

Note: Lab fee of \$40 is required for art supplies and materials.

AUTOMOTIVE

*Courses with weighted grades

AUTOMOTIVE TECHNOLOGY I

Prerequisite: None

Grades: 10, 11, 12

Year: 1 credit

Automotive Technology I

This year long course is the introduction to vehicles and working safely in the automotive shop. The course is based on the safe use of tools and lifting equipment while learning the fundamentals of brakes, steering & suspension, and vehicle maintenance systems. The fundamentals of electrical systems are also covered. This course is the prerequisite for Automotive Technology II. Course Fee \$40 / year

CE AUTOMOTIVE TECHNOLOGY II



Prerequisite: Successful completion of Automotive Technology I

Grades: 11, 12

Year: 2 credits/College: 6

This College Credit eligible course focuses on Shop Operations, Vehicle Maintenance, Automotive Electrical & Electronic systems, and the principals of powertrain / drivetrain systems. As part of the course, students will prepare for and take Automotive Service Excellence (ASE) certification tests. Upon completion of the course, students will earn 7 college credits at Arapahoe Community College. Students must enroll at ACC through the Concurrent Enrollment program. Course Fee \$50 / year.

CE AUTOMOTIVE TECHNOLOGY III



Prerequisite: Successful completion of Automotive Technology I AND Automotive Technology II AND Instructor Approval

Grades: 12

Year: 2 credits / College: 6

This College Credit eligible course focuses on Brake, Steering & Suspension, Engine, and Climate Control systems. An emphasis is placed on diagnosing and repairing faults in vehicle systems. Students are also introduced to the modification of vehicle systems, including entry level welding and fabrication. Students may earn multiple professional certifications as they prepare for post graduate success in the automotive industry. Upon completion of this and previous courses, students will earn an additional 5 college credits and a Maintenance & Light Repair College Certificate through Arapahoe Community College. Students must enroll at ACC through the Concurrent Enrollment program. Course Fee \$50 / year.

COMPUTER SCIENCE

*Courses with weighted grades

* AP COMPUTER SCIENCE PRINCIPLES (CTE STEM)

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Successful Completion of Algebra I

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. Students are encouraged to join the Technology Student Association (TSA) as leadership activities provide opportunities to make connections among the school, community and the business world. Emphasis is placed on service, social and competitive events.

COMPUTER PROGRAMMING (CTE STEM)

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

This course is intended to teach students the basics of computer programming. The course places emphasis on practicing standard programming techniques and learning the logic tools and methods typically used by programmers to create simple computer applications. Upon completion of this course, proficient students will be able to solve problems through writing, analyzing, reviewing, and revising programs, and will be able to troubleshoot/debug programs to correct malfunctions and ensure their proper execution. Students are encouraged to join the Technology Student Association (TSA) as leadership activities provide opportunities to make connections between the school, community and the business world. Emphasis is placed on service to others, social and competitive events.

INTRODUCTION TO DRONES

Grade: 9, 10, 11, 12

Semester: 0.5 credit

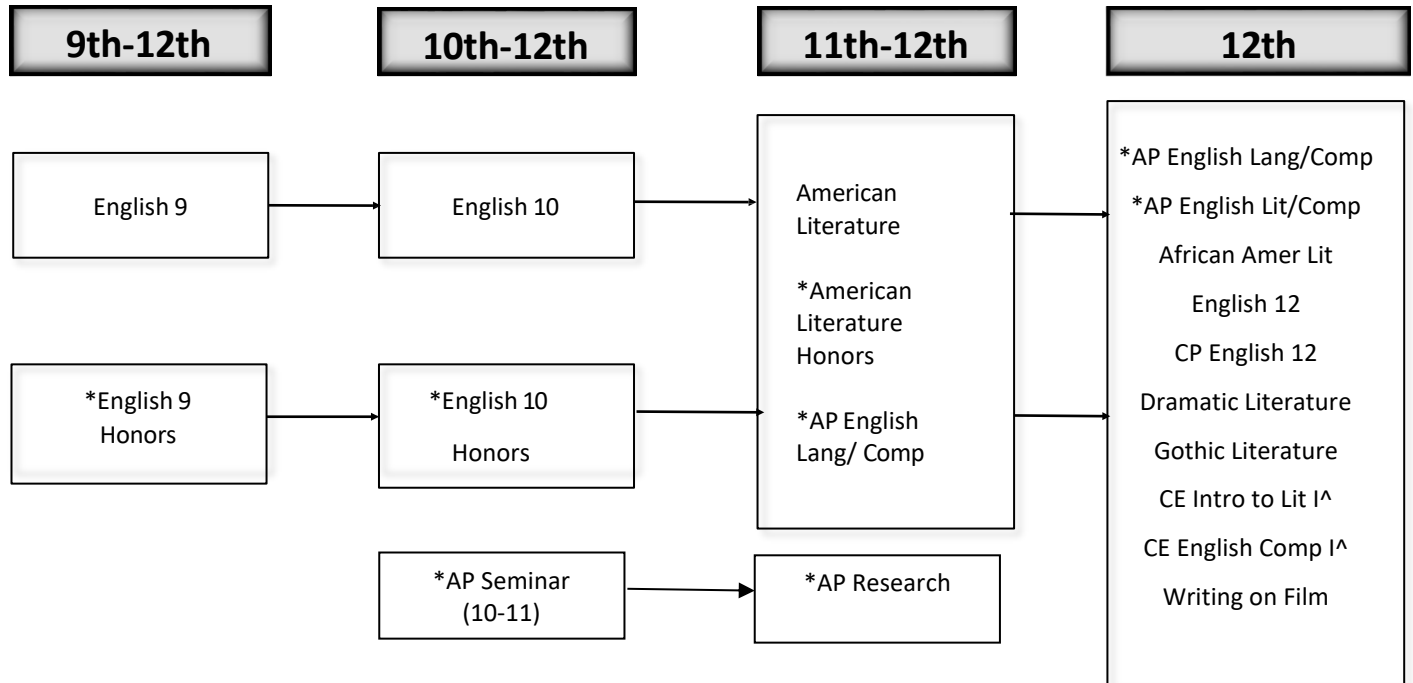
Prerequisite: None

Students will explore the amazing world of drones and the multimedia tools for both commercial and recreational applications. This course will introduce students to piloting, FAA & Colorado rules and regulations, drone safety, aerial photography and video production, hardware, programming, and recreational activities such as drone racing and drone soccer. Students will develop their piloting skills using flight simulators and compete in drone sports. This course is ideal for students pursuing careers in videography, aviation, architecture, engineering, military, healthcare, search & rescue, law enforcement, firefighting or for students who just want to explore the recreational world of drones.

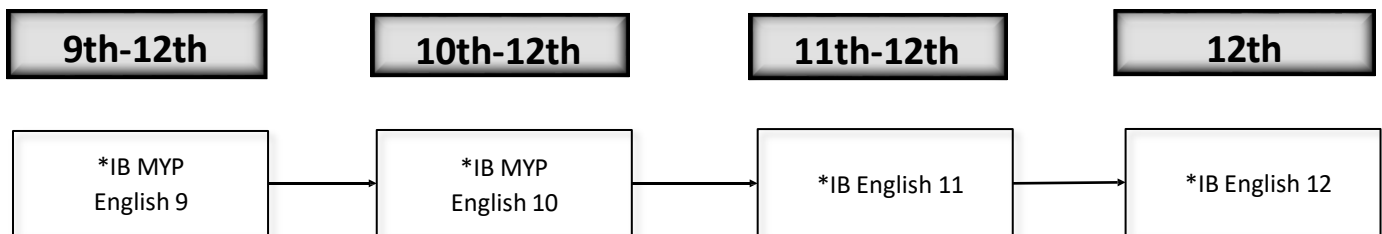
*Note: Lab fee of \$40 is required.

ENGLISH

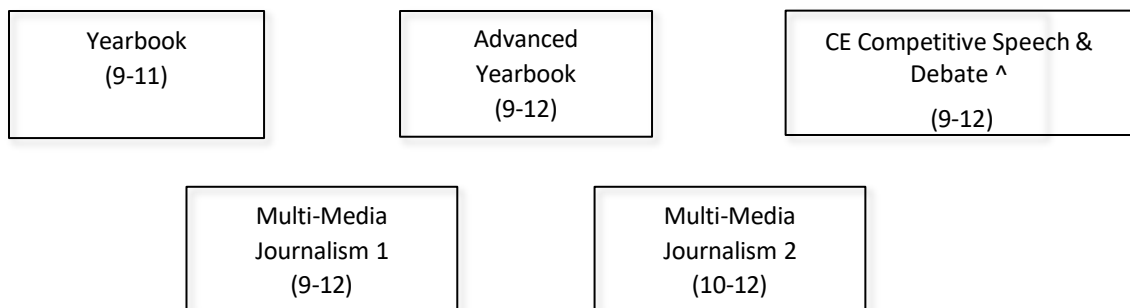
STANDARD/ADVANCED



INTERNATIONAL BACCALAUREATE



OPTIONAL ELECTIVE COURSES FOR NON-ENGLISH CREDIT



^ Concurrent Enrollment
Bold = Preferred class for grade level

ENGLISH DEPARTMENT

*Courses with weighted grades

GUIDELINES FOR SELECTING ENGLISH COURSES

All students must earn four units of English credit in order to graduate from Smoky Hill High School. Placement in all courses is based on teacher recommendations and/or testing.

Ninth grade students will take English 9, English 9 Honors, or IB MYP English 9.

Tenth grade students will take English 10, English 10 Honors, IB MYP English 10.

Eleventh grade students will take American Literature, American Literature Honors, AP English Language and Composition, IB English 11.

Twelfth grade students will complete either a full-year or semester course. The full-year courses include AP English Literature and Composition, AP English Language and Composition (if not taken previously), English 12, CP English 12, IB English 12.

Semester course options include Dramatic Literature, Gothic Literature, CE Intro to Literature I, CE English Composition I, African American Literature, or Writing on Film.

AMERICAN LITERATURE

Grades: 11

Year: 1 credit

Prerequisite: Completion of English 10 or English 10 Honors

This course, focused on American Literature, builds upon students' language skills in the areas of writing, reading, listening, speaking, and researching. While a major focus of the course will be on academic writing, students will undertake their studies through a number of "Inquiry Units," which will provide essential questions for students to frame their work. Students will develop the skills necessary to communicate effectively in writing and speaking. They will also learn how authors of fiction, non-fiction, drama, and speeches craft their works to convey meaning to their audiences. Students will prepare for various college admission tests, as well as the CCSD Capstone Demonstration of Proficiency.

***AMERICAN LITERATURE HONORS**

Grades: 11

Year: 1 credit

Prerequisite: Completion of English 10 or English 10 Honors; Teacher Recommendation

This course is designed for students who have demonstrated advanced development of language-related skills in 10th grade and would like additional development before attempting an AP level course. This course, focused on American Literature, builds upon students' language skills in the areas of writing, reading, listening, speaking, and researching. While a major focus of the course will be on academic writing, students will undertake their studies through a number of "Inquiry Units," which will provide essential questions for students to frame their work. Students will develop the skills necessary to communicate effectively in writing and speaking. They will also learn how authors of fiction, non-fiction, drama, and speeches craft their works to convey meaning to their audiences. Students will also prepare for various college admission tests, as well as the CCSD Capstone Demonstration of Proficiency.

***AP LANGUAGE AND COMPOSITION**

Grades: 11, 12

Year: 1 credit

Prerequisite: Completion of English 10 or English 10 Honors; Teacher Recommendation

An advanced level English class, AP Language and Composition seeks to focus on students' writing and analytic skills through both writing and critical thinking. As a means of generating topics for writing, a vast array of non-fiction will be explored. This course is for college-bound advanced students. Its objective is to give the student advanced preparation in English for college placement and/or college credit on the basis of the student's score on the Advanced Placement Exam in Language and Composition. In-class timed essays are required. This class fulfills the 11th grade English requirement.

Counseling note: Recommended for highly skilled, college-bound juniors.

***AP LITERATURE AND COMPOSITION**

Grades: 12

Year: 1 credit

Prerequisite: Completion of AP Language and Composition, American Literature Honors, American Literature; Teacher Recommendation

This course is for college-bound advanced students. Its objective is to give the student advanced preparation in English for college placement and/or college credit on the basis of their scores on the Advanced Placement Exam in English Literature. It is also designed to give students a broad classical literature background and the ability to read, to discuss, and to write analytically about that literature. In-class timed essays required.

AFRICAN AMERICAN LITERATURE

Grades: 12

Semester: ½ credit

Prerequisite: Completion of AP Language and Composition, American Literature Honors, or American Literature; Teacher Recommendation

African American Literature is an on-level English course designed to offer students the chance for a semester of senior-level English credit. The course examines African American literature, exploring ideas, historical and social contexts, themes, and literary characteristics of works in various genres by major writers. Students will trace and discuss the development of the African-American (Black) Identity and Ideologies in America through literature. The course offers a modern perspective and application of analyzing contemporary realities with historical validity as students study the literary techniques of numerous influential authors. This course is paired with Writing on Film for a full year of study.

COLLEGE PREP ENGLISH 12

Grades: 12

Year: 1 credit

Prerequisite: Completion of American Literature or AP Language and Composition; Teacher recommendation

This is a college preparatory course focusing on the reading and writing skills needed for college success. Through this class, students will improve their reading skills through daily practice and modeling by the teacher, as well as refine their writing skills as they study contemporary critical issues. Through class discussions, reading, and writing, students will sharpen their logical thinking skills, reading fluency and comprehension ability, and grammar, writing style, and structure. The course will explore a diverse set of genres, including, writing on film, speculative fiction, multicultural literature, creative writing, and a variety of other voices.

DRAMATIC LITERATURE

Grades: 12

Semester: ½ credit

Prerequisite: Completion of AP Language and Composition, American Literature Honors, or American Literature; Teacher Recommendation

Drama as Literature is an on-level English course designed to offer students the chance for a semester of senior-level English credit. It is paired with Gothic Literature for a full year of study. The course examines Plays and Dramatic literature, exploring ideas, historical and social contexts, themes, and literary characteristics of Dramatic works by major writers. Students will trace and discuss the development of Dramatic language by reading plays by playwrights of various backgrounds, cultures, and identities. The course offers a modern perspective and application of analyzing contemporary realities with historical validity as students study the literary techniques of numerous influential playwrights.

ENGLISH 9

Grades: 9

Year: 1 credit

Prerequisite: Middle School Teacher Recommendation; Testing Data

This course identifies, reviews, and develops each student's language skills with a focus on reading skills, study skills, written and verbal language skills, speaking, and listening. Students will study short stories, novels, poetry, nonfiction, and drama while being guided through units of study that focus on student choice and critical thinking.

*ENGLISH 9 HONORS

Grades: 9

Year: 1 credit

Prerequisite: Middle School Teacher Recommendation; Testing Data

This course is designed for students who have demonstrated advanced development of language-related skills during 8th grade English. This course identifies, reviews, and develops each student's language skills with a focus on reading skills, study skills, written and verbal language skills, speaking, and listening. Students will study short stories, novels, poetry, nonfiction, and drama while being guided through units of study that focus on student choice and critical thinking. This course provides a rigorous course of study for the advanced, highly-motivated student. Strong emphasis is placed on enhancing students' analytical skills and in improving verbal and written communication. Students focus on improving their overall skills as critical readers, writers, and thinkers.

ENGLISH 10

Grades: 10

Year: 1 credit

Prerequisite: Completion of English 9 or English 9 Honors

This course continues development of students' language skills. Developmental reading and writing skills are taught and the skills of literary analysis are introduced and/or sharpened through the study of primarily short stories, novels, poetry, non-fiction, and drama. In addition, the course includes introductory preparation for the verbal section of standardized college admissions tests and the CCSD Capstone Demonstration of Proficiency.

*ENGLISH 10 HONORS

Grades: 10

Year: 1 credit

Prerequisite: Completion of English 9 or English 9 Honors; Teacher Recommendation

This course is designed for students who have demonstrated advanced development of language-related skills during 9th grade English. Reading and interpretative skills are enhanced through study of short stories, novels, poetry, non-fiction, and drama. Writing skills are reviewed and expanded, including essays and synthesis writing. In addition, this course includes introductory preparation of the verbal section of standardized college admissions tests, as well as the CCSD Capstone Demonstration of Proficiency.

ENGLISH 12

Grades: 12

Year: 1 credit

Prerequisite: Completion of AP Language and Composition, American Literature Honors, or American Literature; Teacher Recommendation

This course continues development of students' reading and writing skills with a focus on successfully translating these skills into real-life situations and scenarios. Students will be asked to write in various genres, as well as read short stories, novels, poetry, non-fiction, and drama. In addition, this course provides opportunity for students to explore reading and writing outside of school with units of study focused on choice and critical thinking.

CE ENGLISH COMPOSITION I



Grades 12

Semester: ½ credit / College 3

Prerequisite: Qualifying scores in English (ACT 18, SATV 470, Accuplacer SS 95 and RC 80) Students may also qualify with a waiver for testing if cumulative GPA is 3.0+ and grade in 11th grade English course is B or better in the spring semester. **Students who register for this class but do not achieve a qualifying test score will not receive college credit from this course.**

A college-level composition class intended to strengthen students' writing skills in a variety of writing styles required for college-level work. This class emphasizes the planning, writing, and revising of compositions, including the development of critical thinking skills. It includes a minimum of five compositions that stress descriptive, analytical, evaluative, and persuasive/argumentative writing. Upon successful completion of the class, students will be eligible for 3 credits from the Community College of Aurora, which are "guaranteed transfer" to any state-supported college or university.

GOTHIC LITERATURE

Grades 12

Semester: ½ credit

Prerequisite: Completion of AP Language and Composition, American Literature Honors, or American Literature; Teacher Recommendation
 Gothic Literature is an on-level English course designed to offer students the chance for a semester of senior-level English credit. It is paired with Dramatic Literature for a full year of study. The course examines Gothic literature, exploring ideas, historical and social contexts, themes, and literary characteristics of Gothic works by major writers. Students will trace and discuss the development of 19th-century architecture, history, and art through literature. The course offers a modern perspective and application of analyzing contemporary realities with historical validity as students study the literary techniques of numerous influential authors.

***IB MYP ENGLISH 9**

Grades: 9

Year: 1 credit

Prerequisite: Admission to the MYP Program

Ninth grade students embark on an exploratory odyssey of some of the world's finest literature. Sophocles, Victor Hugo, William Shakespeare, and Harper Lee are just a few of the authors studied in this introductory course. Strong emphasis is placed on enhancing students' analytical skills and in improving verbal and written communication. Students focus on improving their overall skills as critical readers, writers, and thinkers.

***IB MYP ENGLISH 10**

Grades: 10

Year: 1 credit

Prerequisite: MYP English 9; Admission to the MYP Program

Students delve into the literary analysis of important literary works with an emphasis on understanding an author's stylistic choices and social commentary. Students will build on reading skills to enhance their own thinking to prepare them for independent thinking/criticism during their junior and senior year. Current and universal literary themes will be used for the content of students' essays.

***IB ENGLISH 11**

Grades: 11

Year: 1 credit

Prerequisite: Admission into the IB Diploma Program

IB English 11 covers the first year of the IB DP Literature curriculum requirements and is designed to facilitate works in translation, as well as works written originally in English. At the center of this two-year course, students will develop a better understanding of global issues and their connection to literature. IB English 11 is a rigorous, engaging course driven by in-depth textual analysis, writing, and discussions. Required texts are by the English Department; as translated texts vary, it is important to use the instructor's selections. There is required summer reading selection prior to the start of the course

***IB ENGLISH 12**

Grades: 12

Year: 1 credit

Prerequisite: Admission into the IB Diploma Program

IB English 12 covers the second year of the IB DP Literature curriculum requirements and is designed to facilitate works in translation, as well as, works written originally in English. At the center of this two-year course, students will develop a better understanding of global issues and their connection to literature. **Similar to** IB English 11, IB English 12 is also a **rigorous** engaging course driven by in-depth textual analysis, writing, and discussions. Required texts are by the English Department; as translated texts vary, it is important to use the instructor's selections. There is required summer reading selection prior to the start of the course.

CE INTRODUCTION TO LITERATURE I



Grades: 12

Semester: ½ credit / College: 3

Prerequisite: Qualifying scores in English (ACT 18, SATV 470, Accuplacer SS 95 and RC 80) Students may also qualify with a waiver for testing if cumulative GPA is 3.0+ and grades in 11th grade English course is B or better in the spring semester. **Students who register for this class but do not achieve a qualifying test score will not receive college credit.**

This course is a college credit-bearing course providing an introduction to literary study including concepts, critical approaches, and language skills. The diverse alternative voices in these short stories, novel, poetry, and drama selections will impel students to think about the complexities of maintaining individuality, building community, and thriving in our contemporary North American culture. The classwork meets all requirements of the CO state standards, so activities include reading, essay and creative writing, presentation, projects, group dynamics, and listening. This is for students who are not ready for the complexity of an AP level course, but are ready for a semester of college-level literature.

WRITING ON FILM

Grades: 12

Semester: ½ credit

Prerequisite: Completion of AP Language and Composition, American Literature Honors, or American Literature; Teacher Recommendation

A study of film as literature, art form, and medium of communication through active viewing, reflective response through reaction papers, formal essays, discussion, and gradual acquisition of ability to judge quality. Emphasis will be placed on furthering students' composition skills. Reaction papers and essays will constitute the major percent of the final grade. This course is paired with African American Literature for a full year of study.

BEGINNING YEARBOOK

Prerequisite: None

Grades: 9, 10, 11

Year: 1 elective credit

This is an intro to journalism course with an emphasis on the media of yearbook - an exclusively American tradition of storytelling. Yearbooks preserve the history of the American high school, as experienced by high school students.

Students in this course will study purpose and methods of print graphics as a means of communication. Techniques and applications taught are used in numerous professional careers, including communications, public relations, illustration, graphic design, and journalism. Further, the study of visual communication will enable students to more easily present information when needed for presentations, personal projects, and college and academic portfolios. This course is ideal for artists and students pursuing careers in journalism, mass communications, public relations, graphic design and illustration, and the entertainment industries.

- * **This course is a prerequisite for Advanced Yearbook (upon instructor approval).**
- * **This course will satisfy the IB MYP Design requirement.**
- * **This course counts for FINE ARTS credit. It does not count toward the necessary four core years of English.**

ADVANCED YEARBOOK

Prerequisite: Completion of Beginning Yearbook AND Instructor Approval

Grades: 9, 10, 11, 12

Year: 1 elective credit

This course is designed for students who have completed a year of Beginning Yearbook and wish to continue on to more actively participate in the publishing of the Smoky Hill High School Yearbook. The students in this course are responsible for developing the theme of the yearbook, taking photos, interviewing students, writing and publishing stories, designing the Student Life, Activities, Sports and Academics sections of the yearbook, and taking photography for the pages. The students will work in Adobe Photoshop and Adobe InDesign. Student grades will be tied to the physical production of the yearbook.

Counseling note: There will be much more work than can be done in a regular class period, so each student enrolled in this course must be willing and able to work occasional weekends and evenings on their projects, including a mandatory two-hour-minimum on Wednesdays after school. The students must also be motivated to represent the school at all times and have the time to do so. Students who enroll in this class should have an interest in writing and the English language, photography and graphic design. Students interested in pursuing a career in journalism, film-making, online reporting and video production will find this course purposeful; it requires excellent language skills, the ability to accept independent responsibility, and a high-level of creativity. This course can be taken multiple years.

- * **This course counts for FINE ARTS credit.**
- * **It does not count toward the necessary four core years of English.**
- * **This course will satisfy the IB MYP Design requirement.**

MULTI-MEDIA JOURNALISM 1

Prerequisite: None

Grades: 9, 10, 11, 12

Year: 1 elective credit

Newspaper (Journalism) is for students who wish to be the student voice of Smoky Hill High School. The definition of "newspaper" is changing before our eyes to include elements of many mediums: audio, video, and the World WideWeb. Students will work on the staff of NEXT magazine and SmokyNow.com and will be involved in all aspects of journalism production: reporting, story writing, story editing, video production and editing, photography, layout and design, advertising design and advertising sales. Students are involved in story writing, editing, and public relations. Enrollment requires the students to spend time outside of class to fulfill newspaper staff obligations. Student grades will be tied to the physical production of journalism. This course can be taken multiple years.

Counseling note: There will be much more work than can be done in a regular class period, so each student enrolled in this course must be willing and able to work occasional weekends and evenings on their projects, including a mandatory two-hour-minimum on Wednesdays after school. The students must also be motivated to represent the school at all times and have the time to do so. Students who enroll in this class should have an interest in writing and the English language, photography and graphic design. Students interested in pursuing a career in journalism, film-making, online reporting and video production will find this course purposeful; it requires excellent language skills, the ability to accept independent responsibility, and a high-level of creativity. This course can be taken multiple years.

- * **This course counts for FINE ARTS credit.**
- * **It does not count toward the necessary four core years of English.**

MULTI-MEDIA JOURNALISM 2

Prerequisite: Multi-Media Journalism 1; Teacher Recommendation

Grades: 10, 11, 12

Year: 1 elective credit

Multi-Media Journalism 2 is designed for students who have completed a year of Multi-Media Journalism 1. This class will continue to develop and sharpen the skills of students worked on in Multi-Media Journalism 1.

CE COMPETITIVE SPEECH AND DEBATE



Grades: 9,10,11,12

Year: 1 credit / College: 6

Prerequisite: None

This course is designed for students interested in organized public speaking and debate. The purpose of the class is to prepare for interscholastic speech and debate competitions. Students will research, write, and present original orations, speak extemporaneously on current events, and perform interpretative literature. Students who take this course will be part of the Smoky Hill Speech and Debate Team. Saturday competitions are **REQUIRED** to pass the course. Students will earn membership in the National Forensic League, the national honor society for competitive speech and debate. This course is highly recommended for students interested in law or business.

Generally, August - March will be focused on competition preparation with an emphasis on organization, support, audience analysis, and delivery using the basic theories of communication. Second semester will grow these skills by focusing on communication involved in interpersonal relationships including family, social, and career situations.

*This course counts for FINE ARTS credit. It does not count toward the necessary four core years of English.

*There is a \$45 fee associated with this course.

Concurrent/Dual Enrollment: CE Public Speaking (1st Sem), CE Interpersonal Communication - (2nd Sem)

FAMILY & CONSUMER SCIENCE

HOSPITALITY AND FOOD PRODUCTION

9th-12th

Culinary
Essentials I

Child
and Adolescent
Development

Interpersonal
Relationships

10th-12th

Culinary
Essentials II

Pro-Start I^

Pro-Start II^

Unified Culinary
Buddies

VISUAL ARTS AND DESIGN

9th-12th

Fashion Design
and
Merchandising I

Fashion Design
and
Merchandising II

Interior
Design I:
Residential

Interior
Design II:
Commercial

FAMILY AND CONSUMER SCIENCES

CHILD AND ADOLESCENT DEVELOPMENT

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

This course is designed for both males and females interested in child development and/or careers related to pediatrics, psychology, social services, education, and parenting. The purpose of this course is to acquire knowledge and understanding of child and adolescent development necessary for strengthening the well-being of children and families. Content focuses on perspectives of human development, research and theories, understanding and nurturing development, and challenges to development. This class will give students an optional opportunity to experience a parenting simulation with an electronic simulator baby. You will have the opportunity to develop and experience interactive learning activities such as preparing nutritious snacks for children, reading children's books, and/or creating children's art. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service and/or competitions throughout the entire year.

CULINARY ESSENTIALS I

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: N/A

This course is designed to introduce students to a variety of culinary skills and food preparation. Through instruction and culinary lab practice, this class will provide an opportunity for students to learn food preparation and demonstrate food safety. Some topics include introductory culinary skills and preparation of items such as quick breads, yeast breads, and eggs; as well as meal and menu planning, nutrition, and food borne illnesses. Students will be able to: Demonstrate the correct procedures and techniques in introductory culinary labs. Analyze nutritional guidelines and plan menus that are nutritionally balanced. Demonstrate food safety standards. **This class has a \$30 lab fee to help cover the expense of food.**

CULINARY ESSENTIALS II

Grades: 10, 11, 12

Semester: ½ credit

Prerequisite: Culinary Essentials I

This intermediate culinary course is designed for students interested in exploring culinary careers, and to advance them to the next level of food preparation. The students will have the opportunity to prepare menu items that involve more detailed procedures, and practice techniques used in the culinary field. They will: Classify pasta types and create fresh pasta dishes. Prepare and evaluate nutritional value of various types of meats. Select herbs and spices to enhance flavors of foods. Apply techniques used in cake and cookie decorating. Develop skills in preparing advanced yeast breads and pastries. Identify the origins and prepare foods from different regions and cultures. Emphasize presentation throughout the course. **This class has a \$30 lab fee to help cover the expense of food.**

UNIFIED CULINARY BUDDIES

Grades: 10, 11, 12

Semester::½ credit

Prerequisite: Culinary Essentials I and approval from culinary teacher

This course provides modified instruction for students with unique abilities in the area of culinary arts. Each ILC student will be working together with general education buddies in grade 10-12, to increase competency and enjoyment in cooking and nutrition. Students will develop personal and social responsibility, as well as knowledge and skills in the areas of nutrition, wellness, food safety, dining etiquette and culinary basics. To become a culinary buddy, obtain teacher approval from the culinary teachers. **This class has a \$30 lab fee to cover the expense of food.**

FASHION DESIGN & MERCHANDISING I

Grades: 9, 10, 11, 12

Semester::½ credit

Prerequisite: None

The purpose of this course is to expose students to various aspects of the fashion design and merchandising industry. Students integrate knowledge, skills, and practices to evaluate potential career opportunities. Emphasis is placed on an introduction to fashion, fashion and textile selection, product construction and fashion merchandising. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service and/or competitions throughout the entire year. **There is a class fee of \$30 to cover fabric and other consumable supplies.**

FASHION DESIGN & MERCHANDISING II

Grades: 9, 10, 11, 12

Semester ½ credit

Prerequisite: Fashion Design & Merchandising I

This course is for students who wish to increase their knowledge and further their skills in the fashion design and merchandising industry. Topics include fashion designers, careers, clothing selection, fibers and fabrics, and fashion illustration. Projects are planned and completed in relation to the student's individual interest and skill level. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service and/or competitions throughout the entire year. Course fee \$30

INTERPERSONAL RELATIONSHIPS

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

The purpose of the course is to acquire academic knowledge and understanding for healthy, respectful, and caring relationships across the life span. Emphasis is placed on family and friend dynamics, effective communication, and healthy interpersonal relationships.

INTERIOR DESIGN I: RESIDENTIAL

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

The purpose of this course is to expose to various aspects of the interior design industry and is based on the industry's professional standards (Council of Interior Design Accreditation-CIDA). The first semester focuses on residential design. Students integrate knowledge, skills and practices to evaluate potential career opportunities. Areas of focus include: Introduction to Residential and Commercial Design; Design Drawings; Professional Practices/Education; Design Elements and Principles; and the Design Process. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service and/or competitions throughout the entire year. **The class fee is \$20 to cover design boards and consumables.**

INTERIOR DESIGN II: COMMERCIAL

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: Interior Design I: Residential

The purpose of this course is to expose students to various aspects of the interior design industry and is based on the industry's professional standards (Council of Interior Design Accreditation-CIDA). Students integrate knowledge, skills and practices to evaluate potential career opportunities. Areas of focus include: Introduction to Residential and Commercial Design; Design Drawings; Professional Practices/Education; Design Elements and Principles; and the Design Process. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service and/or competitions throughout the entire year. Course fee \$20

FAMILY AND CONSUMER SCIENCES

PRO-START I

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Successful completion of Culinary Nutrition (or extensive culinary experience approved by instructor)

In ProStart 1, students will be learning about career opportunities within the restaurant industry. This course from the National Restaurant Association introduces students to the world of professional cooking! Basic communication skills, safety and sanitation, food preparation, meal planning, and other topics are taught in this course. FCCLA is an integral part of this course. The class will teach you basic food safety and sanitation, customer service, food preparation and employability skills. We will take exciting tours and host many great guest speakers. Students enrolled in the course also have the opportunity to join the ProStart culinary or management competition team to compete for scholarships in the spring. With successful completion of ProStart 1, students can enroll in ProStart 2 or ProStart 3 (only offered at CCIC). You will have the opportunity for a paid internship working with a professional mentor in the area of food service, hotel lodging or hospitality if you move onto ProStart 3. This course aligns with Metropolitan State University dual enrollment Food Fundamentals (RST 1550). Students will have the opportunity to earn high school credit while at the same time enroll in and earn college credits with the opportunity to transfer credit to an institution of higher education. If a student chooses to enroll in dual enrollment (college) credit, they may be responsible to pay a portion of the tuition. More information can be found at www.cherrycreekschools/cte on the Concurrent/Dual Enrollment tab. **This class will be taught in even years, I & II do not have to be taken in order.**

Note: Lab fee of \$80 for the year is required. Optional fees include concurrent enrollment credit (3 credits), chef coat, and competition fees.

PRO-START II

Grades: 10, 11, 12

Year: 1 credit

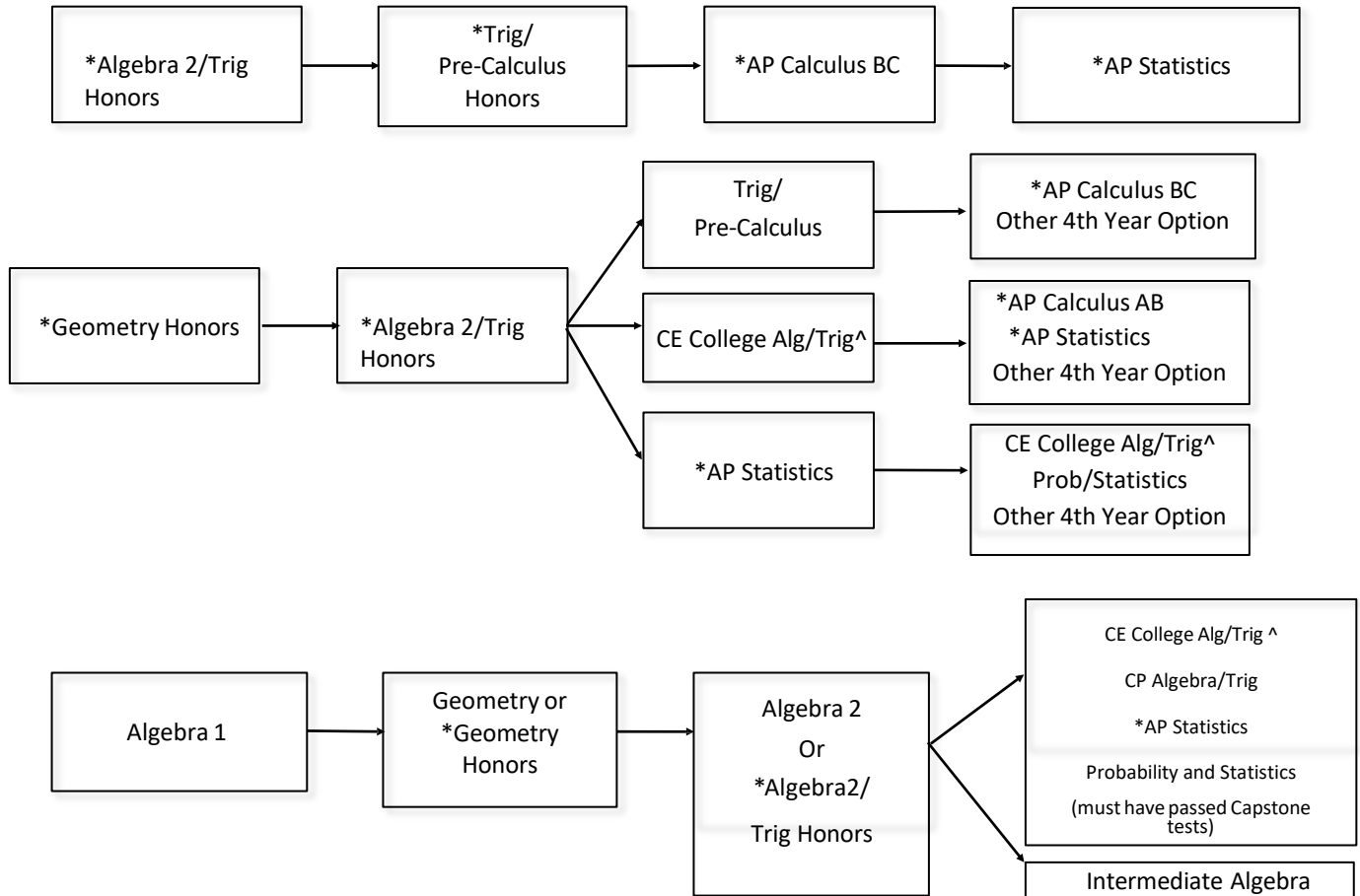
Prerequisite: Successful completion of Pro-Start 1 (or extensive culinary experience approved by instructor)

In ProStart 2, Students will continue to be trained for employment in restaurants and hospitality. The basic skills taught in ProStart I will be reviewed and additional skills such as customer relations, accounting procedures, and more advanced food preparation skills will be taught. Other topics include: marketing and menu management, preparation of breakfast foods, cooking methods applying to meat, poultry, seafood, grains, and pasta, and an introduction to baking and desserts. FCCLA is an integral part of this course. This course will train you in food preparation techniques as well as hotel/motel management skills. You will take exciting field trips and hear from guest speakers in the industry. Opportunities exist for each student to participate in a paid mentor position in the area of food service, hotel lodging or hospitality. This course aligns with Metropolitan State University dual enrollment Food Preparation and Science (RST 2550). Students will have the opportunity to earn high school credit while at the same time enroll in and earn college credits with the opportunity to transfer credit to an institution of higher education. If a student chooses to enroll in dual enrollment (college) credit, they may be responsible to pay a portion of the tuition. More information can be found at www.cherrycreekschools/cte on the Concurrent/Dual Enrollment tab. Students enrolled in the course also have the opportunity to join the ProStart culinary or management competition team to compete for scholarships in the spring. **This class will be taught in odd years, I & II do not have to be taken in order.**

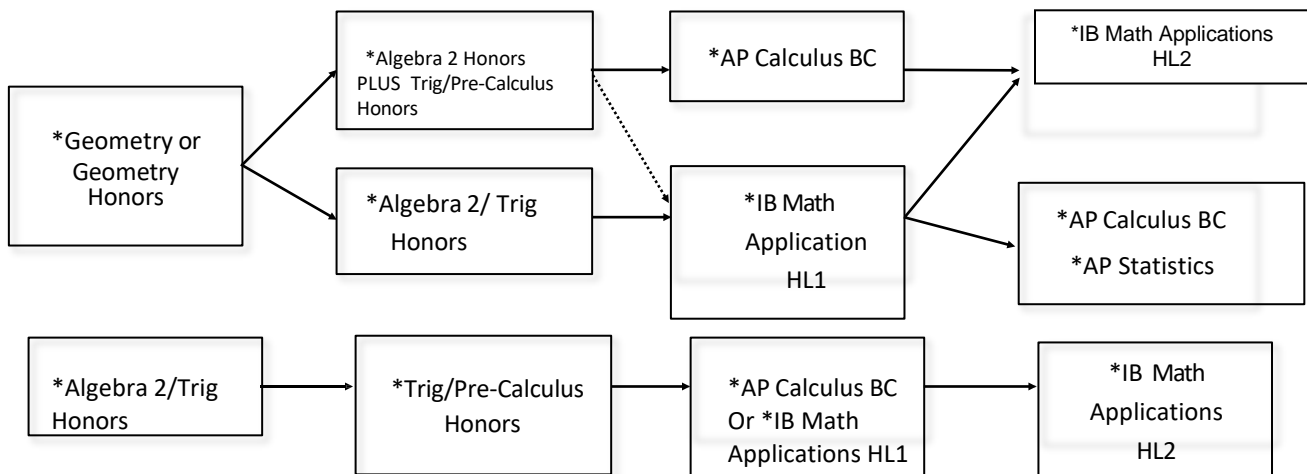
Note: Lab fee of \$80 for the year is required. Optional fees include concurrent enrollment credit (3 credits), chef coat, and competition fees.

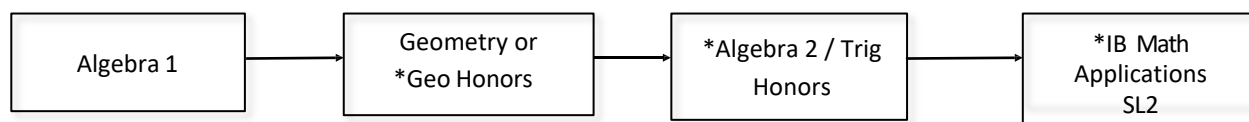
Math

STANDARD/HONORS



INTERNATIONAL BACCALAUREATE





GUIDELINES FOR SELECTING MATHEMATICS COURSES

All students **must complete 3 units** of mathematics credit and demonstrate proficiency in math in order to graduate from Smoky Hill High School. A student should meet with his/her present mathematics teacher in order to determine which math courses to take. (If student is not currently enrolled in a math course, he/she should check with the last math teacher or with the mathematics coordinator.) An Honors designation indicates a course more rigorous than a regular course. Students who have excellent mathematics ability, are highly motivated, and plan to enter fields in STEM should enroll in Honors designated courses. Students who desire to enter mathematics related areas, or attend a 4 year college, should take 4 units of math, including Algebra 2. Most math courses are sequential.

The fundamental purpose of the Algebra 1 – Geometry – Algebra 2 sequence is to formalize and extend the mathematics that students have learned. Because it is built on the Colorado State standards, these are more ambitious versions of the courses than have generally been offered. The critical areas, called units, deepen and extend the understanding of functions and relationships by contrasting them with each other and by applying models to data that exhibit mathematical behavior. Students engage in methods for analyzing, solving, and using functions. The Mathematical Practice Standards apply throughout the sequence, and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

To meet 2021 Colorado Graduation Requirements, students will take math capstone tests during their high school mathematics coursework. The math capstone will consist of 3 assessments encompassing CCSD Math Priority Standards from Algebra 1, Geometry, and Algebra 2. The math capstone will be assessed in Algebra 2, Algebra 2/Trigonometry, or Algebra 2 Honors. See page 4 for more information on the 2021 graduation requirements, including the CCSD capstone.

ALGEBRA 1

Grades: 9, 10, 11

Year: 1 credit

Prerequisite: Completion of Grade 8 Math or Teacher Recommendation

Algebra 1 extends the traditional Algebra 1 course that is a generalization of arithmetic and includes particular focus on linear, exponential, and quadratic functions. Students will manipulate and model with algebraic expressions and equations. Topics include: linear inequalities, systems of equations, arithmetic and geometric sequences, exponential and quadratic models. Students taking this course should be fluent with order of operations involving whole numbers, fractions, decimals, and percents. This course provides a background for further mathematical study as well as for application in technical areas and the sciences.

ALGEBRA 2

Grades: 9, 10, 11, 12

Year: 1 credit

District Capstones will be assessed in this course.

Prerequisite: Algebra 1 AND Geometry with "C" minimum OR Teacher Recommendation

Algebra 2 students study both real and complex numbers, as well as relations, functions, and their operations. Students will work with linear, quadratic, and higher-order polynomial, radical, rational, absolute value, exponential/logarithmic functions, including graphing and transformations of graphs. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

***ALGEBRA 2/TRIG HONORS**

Grades: 9, 10, 11, 12

Year: 1 credit

District Capstones will be assessed in this course.

Prerequisite: Geometry Honors with "B" or better OR Algebra 1 AND Geometry with "A" in both OR Teacher Recommendation

This course is for the student who wants a challenge and is prepared to work in a fast paced course. It covers, in more depth, the topics contained in Algebra 2 (listed above) along with trigonometric functions. This course is a required course for International Baccalaureate students. This course provides a good foundation for those wishing to pursue a career in science, engineering, medicine, or any other math related fields. **A graphing calculator is a requirement and will be used regularly (TI-83, TI-84 models supported by teacher).**

***AP CALCULUS AB**

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: College Algebra/College Trig (or higher) with a "C" grade or better AND Teacher Recommendation; Successful completion of Grad 2021 math requirement

AP Calculus AB is a college level course in differential and integral calculus which is designed for students who may major in mathematics, science, or a mathematics related field in college. The pace and rigor of instruction will be geared toward preparing students for the AB exam, which is the less comprehensive of the two AP Calculus exams. Teacher recommendation is required. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

***AP CALCULUS BC**

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Trig/Pre-Calculus OR IB Math Applications SL2 with a "B" grade or better, AND Teacher Recommendation; Successful completion of Grad 2021 math requirement

AP Calculus BC is a college level course in differential and integral calculus that is designed for students who will major in mathematics, science, or a mathematics related field in college. The pace and rigor of instruction will be geared for preparing students for the BC exam, which is the more comprehensive of the two AP Calculus exams. This course is a prerequisite for Calculus HL. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

*AP STATISTICS

Grades: 11, 12

Year: 1 credit

Prerequisite: Concurrent Enrollment College Algebra or higher, B or higher in English class; successful completion of Grad 2021 math Requirement; Teacher Recommendation

A college level course designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course is recommended for students intending to major in business, education, health science, or social science, as well as those considering careers in the math and science fields. Students are exposed to four broad conceptual themes: Exploring Data, Planning a Study, Anticipating Patterns, and Statistical Inference. Students who successfully complete the course and AP examination may receive credit and/or advanced placement for a one-semester introductory college statistics course. Regular access to a graphing calculator with statistics capabilities is expected: standard deviation, correlation coefficient, equation of the least squares linear or regression line and scatter plots graphing. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**



CE COLLEGE ALGEBRA / TRIGONOMETRY

Grades: 11, 12

Year: 1 credit / College: 7

Prerequisite: Teacher Recommendation AND a qualifying math score (ACT Math=23, SAT Math=550, Next Generation Accuplacer Advanced Algebra and Functions= 245, cumulative GPA=3.0 with B or better in both semesters of Algebra 2 or higher course); Successful completion of Grad 2021 math requirement

This course will cover advanced math topics necessary for college success in non-math related majors. Topics include: equations and inequalities, functions and their graphs, exponential and logarithmic functions, linear and non-linear systems, and a selection of topics from graphing of conic sections, and the theory of equations. This class is a concurrent enrollment class offered through the Community College of Aurora. Students must qualify with one of the criteria listed in the prerequisite section. Upon successful completion of the class, students will be eligible for 7 credits from the Community College of Aurora, which are "guaranteed transfer" to any state-supported college or university. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

CP ALGEBRA / TRIGONOMETRY

Grades: 11, 12

Year: 1 credit

Prerequisite: Algebra 2 AND Teacher Recommendation

This course is a review of advanced Algebra 2 topics and topics to prepare students for a college level math course. Application of Algebra 2 topics are built into the course, in addition to statistics, trigonometry, and financial applications of math.. CP Algebra is for students who would like four years of mathematics in high school but are not prepared for Pre-Calculus. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher)**

GEOMETRY

Grades: 9, 10

Year: 1 credit

Prerequisite: Algebra 1 with "C" OR better or Teacher Recommendation

Geometry presents a thorough study of ideas and logical reasoning through the use of the axiomatic system. The course will include the topics of plane, solid, and coordinate geometry. Concepts studied will include: lines, planes, angles, triangles, circles, polygons, area, surface area, volume, perimeter, transformations, and right triangle trigonometry. The maintenance of algebraic skills will be emphasized.

*GEOMETRY HONORS

Grades: 9, 10

Year: 1 credit

Prerequisite: Algebra 1 with "A" OR Teacher Recommendation AND placement exam

Geometry Honors is a course with strong emphasis on logical thinking for the highly motivated mathematics student. In addition to the topics covered in a regular Geometry course, students will study more advanced areas of geometry, which use and apply algebra skills such as factoring and systems of equations. Additionally, rigorous proofs will be included in the curriculum. This course is an MYP course and will include MYP assessments; however, non-IB students are welcome and encouraged. Geometry Honors is recommended for students who have strong algebra skills, desire a challenge, are prepared to work, and who feel they might pursue mathematics related areas in college.

*IB MATH APPLICATIONS SL2

Grades: 11, 12

Year: 1 credit

Pre-requisites: Algebra 2/Trig; Enrolled in IB

This course is designed to test IB Math Applications at the SL level, or as the first year of the two year IB Math Applications HL course. This course will cover a review of Algebra 2, Trigonometry, and Pre-calculus topics as well as Calculus, Statistics, Logic, Probability, and Graph Theory topics. This is a course designed for testing at the SL level in IB or continuing on to test HL next year. This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models, and those who enjoy the more practical side of mathematics. A substantial piece of personal research, in the form of a project, is a requirement for this program. Ideal for IB students interested in social sciences, natural sciences, statistics, business, psychology, and design. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

*IB MATH APPLICATIONS HL1

Grades: 11

Year: 1 credit

Pre-requisites: Algebra 2/Trig; Enrolled in IB

This is the first year of a two year course. This course will cover Calculus, Statistics, Logic, Probability, and Graph Theory topics. This is a course designed for testing at the HL level in IB. This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models, and those who enjoy the more practical side of mathematics. A substantial piece of personal research, in the form of a project, is a requirement for this program. Ideal for IB students interested in social sciences, natural sciences, statistics, business, psychology, chemistry, biology, biomedical sciences, medicine, and veterinary science. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

***IB MATH APPLICATIONS HL2**

Grades: 12

Year: 1 credit

Pre-requisites: IB Math Applications SL/HL Year 2 or Calculus AB/BC; Enrolled in IB; Successful completion of Grad 2021 math requirement

This is the second year of a two year course. This course will cover Calculus, Statistics, Logic, Probability, and Graph Theory topics. This is a course designed for testing at the HL level in IB. This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models, and those who enjoy the more practical side of mathematics. A substantial piece of personal research, in the form of a project, is a requirement for this program. Ideal for IB students interested in social sciences, natural sciences, statistics, business, psychology, chemistry, biology, biomedical sciences, medicine, and veterinary science. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

INTERMEDIATE ALGEBRA

Grades: 11, 12

Year: 1 credit

District Capstones will be assessed in this course

Prerequisite: Teacher Recommendation

This course provides an additional opportunity for students to meet Colorado's Graduation 2021 requirements for students who have not yet met the requirements. This course includes first-degree equations, inequalities, formulas, polynomials, algebraic fractions, factoring polynomials, solving quadratic equations by factoring, and applications. Coordinate geometry, graphing linear equations and inequalities, and systems of linear equations will be included. This course follows Algebra 2. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

PROBABILITY AND STATISTICS

Grades: 11, 12

Year: 1 credit

Prerequisite: Algebra 2 or higher; C or higher in English Course; Successful completion of Grad 2021 math requirement

This is a college prep course that introduces statistics and probability theory. This course is taught in a project based model to assist students in gaining an appreciation for the diverse applications of statistics and probability and their relevance within our world. Students are exposed to four broad conceptual themes: Exploring Data, Planning a Study, Anticipating Patterns, and Statistical Inference. Students will learn to choose, generate, and properly interpret appropriate descriptive and inferential methods that will require extensive writing components. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

STUDENT MATH TUTOR

Grades: 11, 12

Year: 1 credit

Prerequisite: Algebra 2; Application and Teacher Recommendation

This course offers the opportunity for junior and senior students to work one-on-one with small groups of students in the Hill Topper Center/Tutoring Center. The students will help their peers form tutorials around topics in Algebra 1, Geometry, and Intermediate Algebra. They will work closely with a supervising teacher to gain experience in group facilitation and appropriate mathematical support. There is a potential opportunity to fulfill IB CAS hours.

***TRIGONOMETRY / PRECALCULUS HONORS**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Earned a B or higher in Algebra 2 Honors (or concurrent with teacher recommendation) with teacher recommendation OR an A in Algebra 2 with teacher recommendation (and passing capstones on first try) OR teacher recommendation; Successful completion of Grad 2021 requirement.

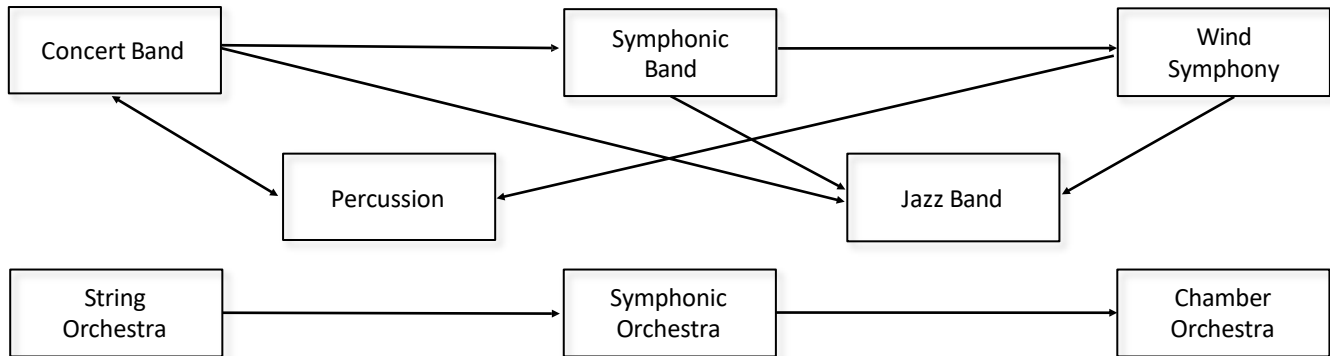
This is an advanced mathematics course meant for highly capable and motivated students. Students should be prepared to work at a quick pace. A wide range of topics is covered with emphasis on trigonometrics, vectors, limits, and derivatives. The topics that are covered should help students to be successful in a Calculus 2 course. This course is recommended for students interested in careers in such areas as mathematics, science, engineering, and business. **A graphing calculator is a requirement (TI-83, TI-84 models supported by teacher).**

MATH INTERVENTION

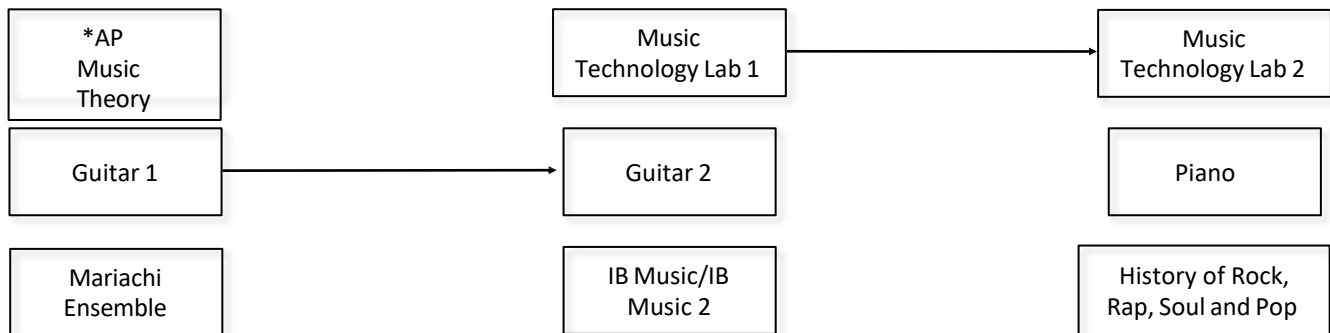
MATH LAB S1 Prerequisite: Teacher Recommendation, concurrent with Algebra 1 Grades: 9, 10 Semester: .25 credits This course is for students needing additional help and intervention in Algebra 1. Students will attend for the first half of their assigned period. Students will receive help from a math teacher and student tutors corresponding to the topics covered in their Algebra 1 course. Students must be enrolled in Algebra 1 as well.

MATH LAB S2 Prerequisite: Senior who has not yet fulfilled math graduation requirements. Grade: 12 Semester: .25 credits This course is for seniors who have not yet fulfilled the Colorado math graduation requirements. Students will work intensively with a math teacher and tutors to study for and take the math capstone tests. Topics covered are polynomial functions and equations and rational functions and equations.

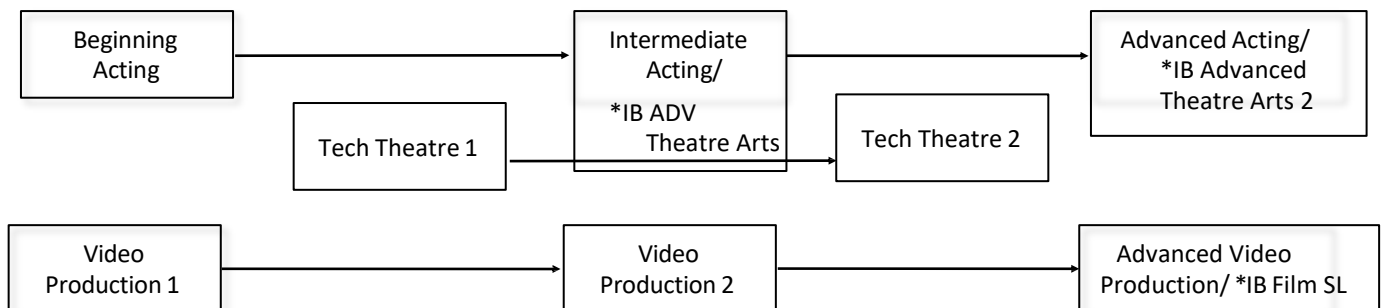
BAND AND ORCHESTRA



STUDIO MUSIC



THEATRE, VIDEO PRODUCTION AND FILM

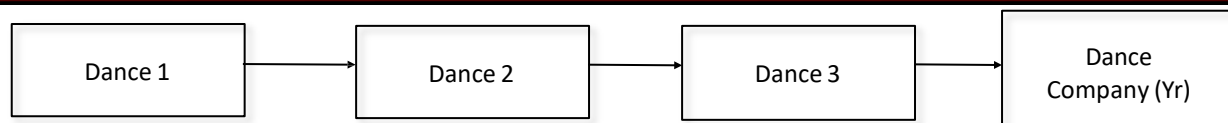


VOCAL MUSIC



DANCE

Available for P.E. OR Performing Arts Credit



CHAMBER ORCHESTRA

Prerequisite: Audition by Instructor

Grades: 10, 11, 12

Year: 1 credit

Chamber orchestra is the “varsity team” of the Smoky Hill orchestra program. It is a highly selective ensemble with enrollment determined by auditions held in the spring semester prior to registration. The minimum requirement includes the ability to play three-octave scales. Instruction concentrates on the mastery of string-specific technique, and aims to develop an independent understanding of appropriate musical interpretations based on period history. Students will perform a wide variety of standard orchestral repertoire, modern compositions and advanced arrangements. Concerts, public performances, auditions, solo playing and state performance festivals outside of normal school hours are required and part of the academic grade. Students are strongly encouraged to take private lessons outside of school, and all members must maintain a consistent practice schedule. This ensemble requires a very serious, self-motivated musician.

This course will satisfy the IB MYP Art requirement.

CONCERT BAND

Prerequisite: Band Instrument Playing Experience

Grades: 9, 10, 11, 12

Year: 1 credit

The Concert Band is the entry-level ensemble of the Smoky Hill Band program. Students coming from a middle school band program or who do not wish to audition into an advanced ensemble will enter the SHHS band program in this ensemble. This group will stress technique and sound development, as well as music literacy skills. The Concert Band performs at least three public performances and participates in the graduation ceremony. Concerts and performances outside of normal school hours are required and part of the academic grade. Concert wear purchase is required. **This course will satisfy the IB MYP Art requirement.**

JAZZ BAND

Prerequisite: Audition by Instructor

Grades: 9, 10, 11, 12

Year: 1 credit

The Jazz Band is a lab extension of a traditional SHHS band. **Students must be enrolled full time in another SHHS band.** Membership to this class is through audition with the instructor. This ensemble is for students who are interested in various forms of jazz music as well as developing skills in creativity, improvisation and music theory. A limited number of rhythm section (drums, piano, bass, guitar) and wind section (saxophone, trumpet, and trombone) positions are available. Concerts and public performance outside of normal school hours are required and part of the academic grade. Instructor approval required to register. Concert wear purchase is required. **This course will satisfy the IB MYP Art requirement.**

PERCUSSION

Prerequisite: Instructor Approval

Grades: 9, 10, 11, 12

Year: 1 credit

The Percussion Techniques class is open to all students with prior middle school or high school band percussion experience. Emphasis is placed on technical skill development specifically in the areas of keyboard and mallet instruments and the development of music literacy skills. Rudimentary snare drum techniques are also a strong foundation of this course. The percussion techniques class will present performances at a minimum of three public concerts parallel to the band program outside of the normal school hours. These performances are required and a part of the academic grade as culminating assessments. Materials for the study of percussion instruments (sticks, mallets, stick bag, practice pad and technique books) are required. A list of required materials is provided at the beginning of the school year and students may purchase these items through the SHHS band program.

STRING ORCHESTRA

Prerequisite: Orchestra instrument playing experience

Grades: 9, 10, 11, 12

Year: 1 credit

The string orchestra is the entry-level ensemble of the Smoky Hill orchestra program. All freshman students coming from a middle school orchestra program who wish to join the orchestra at Smoky Hill should enroll in this ensemble. Instruction focuses on string specific techniques, the principles of sound production, and left hand fundamentals. The string orchestra performs at least four public performances each year. Concerts and performances outside of normal school hours are required and part of the academic grade. **This course will satisfy the IB MYP Art requirement.**

SYMPHONIC BAND

Prerequisite: Audition by Instructor

Grades: 9, 10, 11, 12 (mostly 10-12)

Year: 1 credit

The Symphonic Band is the “Pre-Varsity Team” of the Smoky Hill Band program. It is an ensemble of mostly 10th-12th grade students selected through an audition process by the director. This group will stress technique and sound development as well as music literacy skills. The Symphonic Band performs at least three public performances and participates in the graduation ceremony. Concerts and performances outside of normal school hours are required and part of the academic grade. Concert wear purchase is required. **This course will satisfy the IB MYP Art requirement.**

SYMPHONIC ORCHESTRA

Prerequisite: Audition by Instructor

Grades: 10, 11, 12

Year: 1 credit

Symphonic Orchestra is the “pre-varsity team” of the Smoky Hill orchestra program, aimed at students who have four or more years of string playing experience. Enrollment is decided by auditions held during the spring semester prior to the intended year of enrollment. Instruction focuses on adept string-specific technique, higher position work, appropriate musical interpretation based on period history, and performance practice. Symphonic orchestra repertoire focuses on arrangements of major symphonic works and modern styles. This ensemble performs at least four public performances each year. Concerts and performances outside of normal school hours are required and part of the academic grade.

This course will satisfy the IB MYP Art requirement.

WIND SYMPHONY

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Audition by Instructor

The Wind Symphony is the "Varsity Team" of the Smoky Hill Band Program. It is a highly selective ensemble made up of the most advanced band musicians at SHHS. Auditions for acceptance into this ensemble are held in May (for the following school year) and during the first week of school for any seats that become vacant during the summer (due to students moving, schedule conflicts, etc.) Because the Wind Symphony maintains the highest standards and performance levels at SHHS, and is recognized as such, it is a defined instrumentation ensemble. The Wind Symphony performs at least three public performances, and participates in the graduation ceremony and other potential state festivals. Concerts and performances outside of normal school hours are required and part of the academic grade. Concert wear purchase is required.

This course will satisfy the IB MYP Art requirement.

GUITAR 1

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

Guitar is a performance-based techniques class offering introductory experience in, and opportunity for development and improvement of, fundamental skills in guitar. Topics covered include: basic guitar playing technique; tuning, instrument care, and basic maintenance; learning note names on the guitar fretboard and how to find them; reading music notes, rests, music symbols, and guitar tablature from the printed page; reading melodies, chords, and scales; identifying different music forms, structures, and styles; basic strumming and picking patterns/techniques; performing a mixture of different song styles (including traditional, pop, rock, folk, and blues) as a soloist, with a partner, and as a group. Related career pathways include music composition, arranging, recording, audio production, multimedia, and performance.

This course will satisfy the IB MYP Art requirement.

GUITAR 2

Prerequisite: Guitar 1 or Teacher Approval

Grades: 9, 10, 11, 12

Semester: ½ credit

This is an intermediate level guitar class for students with prior guitar experience and is designed to continue student's development in technique, performance, and literature for guitar. Students will engage in advanced techniques covering style, chords, melodies, basslines, tablature, improvisation, and performance in a variety of settings. This class performs one public showcase at the end of the semester. Guitar 2 final showcase occurs outside of normal school hours and is a required part of the academic goal. **This course will satisfy the IB MYP Art requirement.**

HISTORY OF ROCK, RAP, SOUL AND POP

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

History of Rock, Rap, Soul and Pop is a survey course of the development of popular music from early blues to modern music. The course will cover musical styles and artists, the impact of popular music on society, and historical perspectives. No music experience is necessary, but personal interest in studying and listening to popular music of all styles is desired.

*IB MUSIC / IB MUSIC 2

Prerequisite: Concurrent Enrollment with Wind Symphony or Symphonic Orchestra or Symphonic Choir

Grades: 11, 12

Year: 1 credit

The IB Diploma Programme music course provides an appropriate foundation for further study in music at the university level or in music career pathways. It also provides an enriching and valuable course of study for students who may pursue other careers. This course also provides all students with the opportunity to engage in the world of music as lifelong participants. Having followed the music course, students will be expected to demonstrate: 1) knowledge, understanding and perception of music in relation to time, place, and cultures; 2) appropriate musical terminology to describe and reflect their critical understanding of music; 3) comparative analysis of music in relation to time, place, and cultures; 4) creative skills through exploration, control, and development of musical elements; 5) performance skills through group music making; and 6) critical-thinking skills through reflective thought.

MARIACHI ENSEMBLE

Prerequisite: Prior study of trumpet or violin in a band or orchestra program or prior study of guitar either in a class setting or privately.

Grades: 9, 10, 11, 12

Semester: ½ credit

This full year course is open to members of the band, orchestra and choir who have a desire to play and who are interested in developing techniques of playing in traditional styles of mariachi music. This course must be taken concurrently with a band, choir, or orchestra class, unless the student plays only guitar, vihuela, or guitarron. Students may be required to attend rehearsals or performances outside of the regular school hours.

MUSIC TECHNOLOGY LAB 1

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

Music technology lab will focus primarily on recording and composing music using digital audio workstations. This course is designed to give learners the ability to understand, create, record and produce music utilizing digital technology and applications. Music technology lab/production will cover topics in sound science, music theory, mixing and editing, working with MIDI and careers in music/technology/production. Students in this course will compose full length songs by the end of the semester. No prior experience in music is required.

This course will satisfy the IB MYP Art requirement.

MUSIC TECHNOLOGY LAB 2

Prerequisite: Music Technology Lab and Piano Lab

Grades: 9, 10, 11, 12

Semester: ½ credit

Music Technology Lab 2 is an advanced level music production course in which each student will compile a project based portfolio that prepares them for a career in the music industry and colligate level Audio Engineering programs. This course is designed to give learners an opportunity to refine their skills in music production, mixing and mastering, and recording live sound. Students will utilize digital audio workstations, audio interfaces, MIDI keyboards and microphones in this computer based classes. **This course will satisfy the IB MYP Art requirement.**

***AP MUSIC THEORY**

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Prospective students should be able to read and write musical notation and have basic performance skills with voice or an instrument.

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight-singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

PIANO

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

Beginning Piano is for students with little or no keyboard experience. Using the electronic piano lab, this class introduces students to music notation, basic music theory, keyboard technique, and musical terminology through the study of basic keyboard literature. **This course will satisfy the IB MYP Art requirement.**

THEATER, VIDEO PRODUCTION AND FILM

**Courses with weighted grades*

BEGINNING ACTING

Grades: 9, 10, 11

Semester: ½ credit

Prerequisite: None

Beginning acting for theatre and film! Students learn the art of acting by covering improvisation, audition techniques, scene study, characterization, and a basic history of theatre and film. Students build skills by reading plays and screenplays and memorizing and performing scenes for the class and the camera. *Attending a live theatre performance is a requirement.*

This course will satisfy the IB MYP Art requirement.

INTERMEDIATE ACTING / *IB THEATRE 1

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Beginning Acting and/or Instructor Approval

Experience the life of a traveling production company member! Students build on the art of acting by expanding acting skills on stage and in front of the camera. Scenes from different periods of theatre and film history will be memorized and performed for the class and the camera.

Students will produce and perform for the Smoky Hill community. Productions might include: Children's Theatre, Reader's Theatre, Puppet Theatre, and/or Community Family Theatre. *Performing for outside audiences and attending a live theatre performance are requirements. This course will satisfy the IB MYP Art requirement.*

***International Baccalaureate (IB) Theatre Arts Year One is taught concurrently.**

ADVANCED ACTING / *IB THEATRE 2 / DIRECTING

Grades: 11, 12

Year: 1 credit

Prerequisite: Intermediate Acting and/or Instructor Approval

For students who wish to perform on stage or in film after graduation! This course will help prepare the student for successful entry into post-secondary performing arts programs. Students will compile a professional portfolio, be required to compete in state theatre conferences, and examine world theatre from a global view, including performance, history, analysis, and criticism. Students will also learn from guest artists and presenters. *Participation in main stage and public productions is a requirement.*

***International Baccalaureate (IB) Theatre Arts Year Two is taught concurrently.**

TECHNICAL THEATRE 1

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: None

Become a techie behind the scenes of theatre and film productions! In this laboratory/workshop class, students will learn to operate the light and sound boards, construct scenery, operate camera equipment, create special effects, and design lights and sound for theatre, film, and bands.

Working for 15 hours each semester on live shows after school and/or during the evening is a requirement. This course will satisfy the IB MYP Art requirement.

ADVANCED VIDEO PRODUCTION / *IB FILM SL

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Video Production 1 or teacher permission

The Advanced Video Production/IB Film course aims to develop students and proficient interpreters and makers of film. Through the study and analysis of film, and practical exercises in film production, students develop critical abilities and appreciation of artistic, cultural, historical and global perspectives in film. The aims of the Film course are to enable students to: explore the various contexts of film and make links to, and between, films, filmmakers and filmmaking techniques, and to acquire and apply skills as discerning interpreters of film and as creators of film, working both individually and collaboratively.

TECHNICAL THEATRE 2

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Technical Theatre 1

An extension of the current Technical Theatre 1, this course which allows advanced tech students an opportunity to refine skills and work on theatre production activities at an advanced level. Emphasis will be on leading stage crews, production organization and management, the design of scenery, lighting, sound, makeup, costuming, and properties, and business management and publicity. Students will apply their learning by managing production activities in the SHHS Theatre. *A minimum of 30 hours of these activities outside of class time will be required each semester.*

This course will satisfy the IB MYP Art requirement.

VIDEO PRODUCTION 1

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

Direct your own film! Fundamentals of video and film production will be covered in this class, including directing, cinematography, and post-production. Emphasizing a hands-on production experience, students will write, shoot, and edit original film content using digital video. Movies, television programs, music videos, and video blogs will be viewed and analyzed to develop techniques in visual storytelling, camera work, lighting, and editing. *Students will be required to use their own phone or video camera for this course.*

VIDEO PRODUCTION 2

Prerequisite: Video Production 1

Grades: 10, 11, 12

Semester: ½ credit

An extension of Video Production 1, advanced techniques in video and film production will be covered in this class, including directing, cinematography, and post-production. Students will use advanced hands-on techniques in visual storytelling, camera work, lighting, and editing. Video Production 2 students will be asked to help produce content for the Smoky Hill Video Network. *Students will be required to use their own phone or video camera for this course.*

VOCAL MUSIC

**Courses with weighted grades*

ADVANCED SOPRANO / ALTO CHOIR

Grades: 10, 11

Year: 1 credit

Prerequisite: Audition by Instructor

Advanced soprano/alto choir is the "Varsity Team" soprano/alto choir of Smoky Hill High. It is designed to be a continuation of beginning soprano/alto choir. "Advanced" is a highly select ensemble of mature treble voices. Continued studies of advanced-level treble music will be explored in this class. There will be a minimum of four performances required during the school year; one at the end of each quarter.

This course will satisfy the IB MYP Art requirement.

BEGINNING SOPRANO / ALTO CHOIR

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: None

Beginning Soprano/Alto Choir is a performance-oriented group specialized for students with soprano and/or alto voices who are beginning to develop their high school singing. Students with these voice classifications that are interested in fellowship and being part of a safe space are highly encouraged to join this class! A wide variety of choral literature will be learned and performed by this choir. There will be a minimum of four performances required during the school year, one at the end of each quarter.

This course will satisfy the IB MYP Art requirement.

MIXED VOCAL JAZZ CHOIR

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Audition by instructor; dual enrollment in advanced soprano/alto or symphonic choirs.

"Mixed Jazz" is an extension of a traditional SHHS choral ensemble. **Students must be enrolled full-time in either advanced soprano/alto or symphonic choirs.** Voicing for this ensemble consists of soprano, alto, tenor, and bass. This ensemble is for those students interested in exploring various forms of vocal jazz and contemporary music, as well as developing skills in creativity and improvisation. Members of these choirs will be expected to do extra-curricular activities and provide their own performance attire. **This course will satisfy the IB MYP Art requirement.**

SYMPHONIC CHOIR

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Audition by Instructor

Symphonic Choir is the "Varsity Team" mixed choir of Smoky Hill High School. It is designed to be a culmination of beginning soprano/alto, advanced soprano/alto, and tenor/bass choirs. Symphonic is a highly select ensemble of mature treble and bass voices. Advanced level soprano, alto, tenor, and bass music will be explored in this class. There will be a minimum of four performances required during the school year; one at the end of each quarter. **This course will satisfy the IB MYP Art requirement.**

TENOR / BASS CHOIR

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: None

Tenor/Bass Choir is a performance-oriented group specialized for students with tenor, baritone, and/or bass voices. Students with these voice classifications that are interested in fellowship and being part of a safe space are highly encouraged to join this class! A wide variety of choral literature will be learned and performed by this choir. There will be a minimum of four performances required during the school year; one at the end of each quarter. **This course will satisfy the IB MYP Art requirement.**

PHYSICAL & HEALTH EDUCATION

9TH GRADE ONLY

Health 9th Grade

This semester course will be taken
by **ALL 9th grade students**.
Students will receive a .5 Health credit.

9TH-12TH GRADE

Fitness Walking

Personal
Fitness

Team Sports

Unified PE

Health (10-12)

Power Yoga
(10-12)

Team Sports 2

Yoga

Individual Sports

Sports Training

Swimming
(General)

Lifeguard
Training (10-12)

Swimming
Fitness

Weight Training
for Women

Advanced
Weight
Training
Girls

Weight Training

Weight Training II

Dance 1

Dance 2

Dance 3

Dance
Company

Social Dance

GUIDELINES FOR SELECTING PHYSICAL AND HEALTH EDUCATION CLASSES

All students are required to have the equivalent of **three** semesters of physical education to meet graduation requirements.

All students are required to have **one** semester of Health to meet graduation requirements.

ADVANCED WEIGHT TRAINING GIRLS

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: Coaches/ PE Teacher Recommendation

This class is designed for current female athletes to enhance overall athleticism and athletic performance. This is an advanced course and will provide the student with an intensive workout designed to teach methods and sport specific lifts to increase speed, power, strength, and explosion. Emphasis on Olympic lifts, plyometrics, and core stabilization exercises will be included. Flexibility, nutrition, and muscle awareness will be incorporated. Aerobic and anaerobic activities will also be incorporated.

FEE: \$10

DANCE 1

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None / Fee: \$20

This class provides the student, who has little or no dance experience, the opportunity to learn fundamental techniques of movement and rhythm. The student will also develop a knowledge of dance styles, history, terminology and aesthetics in jazz, hip hop and ballet. **This course will satisfy the IB MYP Art requirement. *Performance is required**

DANCE 2

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: Dance 1 OR Written Teacher Approval / Fee: \$20

This class provides students have completed Dance 1 the opportunity to learn more challenging jazz, hip hop and contemporary/modern dance techniques. Students will also learn to critically analyze dance movement and composition. **This course will satisfy the IB MYP Art requirement. *Performance is required**

DANCE 3

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: Dance 1 and 2 / Fee: \$50

This class provides the intermediate/advanced student the opportunity to learn more challenging jazz, hip hop and contemporary/modern technique. Students will develop the skills needed to compose and create choreography in a supported environment. **This course will satisfy the IB MYP Art requirement. *Performance is required**

DANCE COMPANY

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Audition, MUST HAVE WRITTEN TEACHER APPROVAL / Fee: \$50/semester

In this class, students will develop their performance skills, demonstrate the works of novice choreographers and explore varied repertory. This class is for advanced students who are accepted by audition only. **This course will satisfy the IB MYP Art requirement. *Performance is required**

FITNESS WALKING

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

This course is designed for students to have the opportunity to improve their aerobic fitness through vigorous walking. The speed and distance walks are individualized to meet the student's ability, with an emphasis toward significant, personal improvement. Students will learn about the process of getting fit, with an emphasis on correct walking form, and all the many benefits of walking as a lifelong activity. Alternative indoor activities will be used during difficult winter months.

SWIMMING (GENERAL)

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

This class is designed for the beginning or first-time swimmer. This class is designed for the student who has had little swimming experience. Students will learn basic strokes, basic diving, water aerobics, Introduction to water polo and water safety and survival techniques. **This course will satisfy the IB MYP PE requirement.**

HEALTH

Prerequisite: None

Grades: 10, 11, 12

Semester: ½ credit

This course gathers and uses health information to promote attitudes and behavior patterns that enhance optimal physical, mental, and social well-being. It is designed to meet the district proficiency, teaching students the values of health and first aid. There will be discussions on mental health, human relationships, diseases and disorders, nutrition, drugs, smoking, alcohol, physical fitness, first aid, and CPR. Health will offer the student the opportunity to acquire the necessary skills and knowledge for self-directed, life long learning toward the goal of being a responsible, productive, and healthy citizen.

HEALTH 9TH GRADE

Prerequisite: None

Grades: 9

Year: ½ credit

This course empowers students to make healthy decisions and value lifelong wellness. Health topics covered promote attitudes and behavior patterns that enhance optimal physical, mental, and social well-being. Topics include: mental health, human relationships, diseases and disorders, nutrition, drugs, sexuality, and smoking and alcohol. **This course will satisfy the IB MYP Health requirement.**

Note: This course is required for graduation.

INDIVIDUAL SPORTS

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

This course is designed to expose students to a variety of individual/dual sports as well as recreational sports/activities. Students will learn fundamental techniques, rules, care of equipment, scoring, and team play. Class competition will be an integral part of the course.

LIFEGUARD TRAINING

Prerequisites: Minimum age of 15, swim 300 yards (12 lengths) continuously, tread water for 2 minutes using only your legs, surface dive to a depth of 7-10 feet to retrieve a 10-pound object and exit water without using a ladder or steps.

Grades: 10 (if 15 or older), 11, 12

Semester: ½ credit

Course is only offered every odd graduation year. (i.e. it will be offered spring 2023 & 2025). This course provides entry-level participants the knowledge and skills to prevent, recognize, and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies, injuries, and sudden illness until EMS personnel take over. The class will be taught in the pool and in a classroom setting. By the end of the class, you will be Lifeguard certified to work over your summer break (If you pay the course fee). **FEE: \$85.00**

PERSONAL FITNESS

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

Students will apply the health-related components in physical education to achieve and maintain physical fitness with an emphasis on life-long wellness. The five components of fitness (cardiovascular, fitness, flexibility, muscular strength, muscular endurance, and body composition) will be taught toward achieving proficiency. This course will introduce the student to a wellness lifestyle through traditional and non-traditional sports/games, physical conditioning, Fitness Gram testing, weight training, Tabata circuit training, and other individual, small group, and large group activities. **This course will satisfy the IB MYP PE requirement.**

POWER YOGA

Prerequisite: None

Grades: 10, 11, 12

Semester: ½ credit

Designed for the student or athlete looking for a more intense yoga practice. Students will be exposed to a variety of yoga styles and poses that promote flexibility, core-strength and muscle-tone. Students should expect to do a workout each class.

SOCIAL DANCE

Prerequisite: None / Fee: \$20

Grades: 9, 10, 11, 12

Semester: ½ credit

Social Dance will teach students the fundamental techniques, vocabulary and aesthetics in many styles of ballroom, line dance, cultural/folk dance and partner dancing. Emphasis will be placed on movement skills, rhythm proficiency, execution, knowledge and aesthetics of each dance style, while also learning components of health-related fitness. This dance class strives to promote a lifelong interest in both dance and physical fitness. ***Performance is required**

SPORTSTRAINING

Prerequisite: Member of an Athletic Team at SHHS AND Coach Recommendation

Grades: 9, 10, 11, 12

Year: 1 credit

This course is designed for the interscholastic athlete who wants to excel at the highest level. To be enrolled in this course, you must be a member of an athletic team at Smoky Hill High School and must be recommended by your coach. The weight training portion of the class is divided into two basic segments: core lifts and auxiliary lifts. The basic core lifts are the squat, power clean, bench press, and deadlift. Included in this program is a complete speed, plyometric, agility, and flexibility program. **FEE: \$15.00**

SWIMMING FITNESS

Prerequisite: General Swimming OR Coach/PE Teacher Recommendation

Grades: 9, 10, 11, 12

Semester: ½ credit

This course is designed for the intermediate to advanced swimmer who already has experience with most competitive swimming strokes. It is suggested that students have previous swim team experience. Students will participate in water activities such as lap swimming, Water polo, and other training methods. New skills and information presented in this class will be the use of a pace clock, Principles of Fitness while swimming and target heart rate zone training and use.

TEAM SPORTS

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

This course is designed to expose students to the physical skills, strategies, and rules of a variety of team sports. These games can be enjoyed by students of all skill levels. Students will also be exposed to team play, offensive and defensive strategies, as well as opportunities for action, excitement, and friendly class competition. **This course will satisfy the IB MYP PE requirement.**

TEAM SPORTS 2

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

This course is designed for students to use and improve their fitness and physical skills, strategies, and rules of team sports. Sport units that are covered include: Basketball, Flag Football, Volleyball, Floor Hockey, Soccer, and other sports. These games utilize skills and movements that are ideal for a co-ed activity. Students will be exposed to team play, offensive and defensive strategies, and a playoffs style format for each unit. **A competitive class environment is maintained.**

UNIFIED PE

Prerequisite: 2.5 GPA / Department Approval

Grades: 9, 10, 11, 12

Semester: ½ credit

Unified PE Partners actively engage with students with disabilities which can include, but are not limited students who are wheelchair bound, have speech limitations or physical limitations. You will be expected to assist in helping the students with disabilities participate in a variety of sports like any other team sports or individual sports class.

WEIGHT TRAINING

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

This course is designed to teach basic lifting techniques and to give a comprehensive background in anatomy, physiology, kinesiology, nutrition, and cardiovascular research. Exposure to muscle toning, body-building, and power and strength development will enable students to choose their own course of personal development. **FEE: \$10**

WEIGHT TRAINING II

Prerequisite: Weight training OR PE teacher/coach Recommendation

Grades: 9, 10, 11, 12

Semester: ½ credit

This class is for BOYS and GIRLS looking for a combination of today's popular weight lifting sports known as Power-Lifting, Olympic Lifting, and Crossfit®. Daily activities will be associated with developing overall strength and power through the most modern and safe training concepts for the sport of weightlifting. Proper technique, power development, complicated lifting techniques, nutrition, and recovery associated with these highly intense sports will be the focus of the class along with a rigorous training model that students will be able to carry with them upon the conclusion of the class. **FEE: \$10**

WEIGHT TRAINING FOR WOMEN

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

This course is designed specifically for the fitness needs of women. Specific exercises will be performed that address the female physiology. A safe environment will be provided to allow women to experience success with a weight training program and utilize proven strategies and techniques. **FEE: \$10**

YOGA

Prerequisite: None

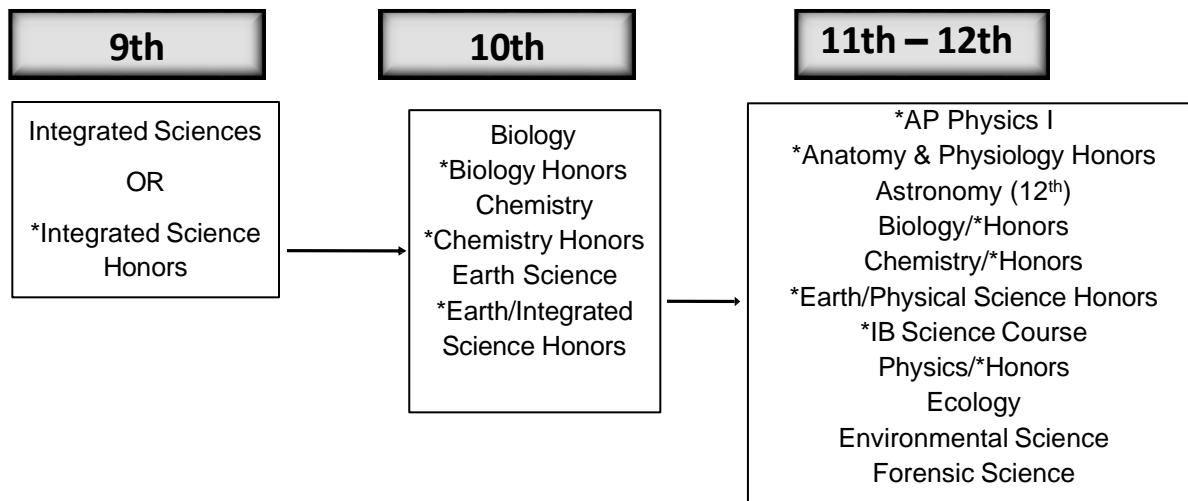
Grades: 9, 10, 11, 12

Semester: ½ credit

This course is designed as an introduction to the principles and practice of Yoga, an ancient tradition that is both physical and mental. Students participate in Vinyasa flows design to improve strength, flexibility, and mental focus. **This course will satisfy the IB MYP PE requirement.**

SCIENCE

STANDARD/ADVANCED

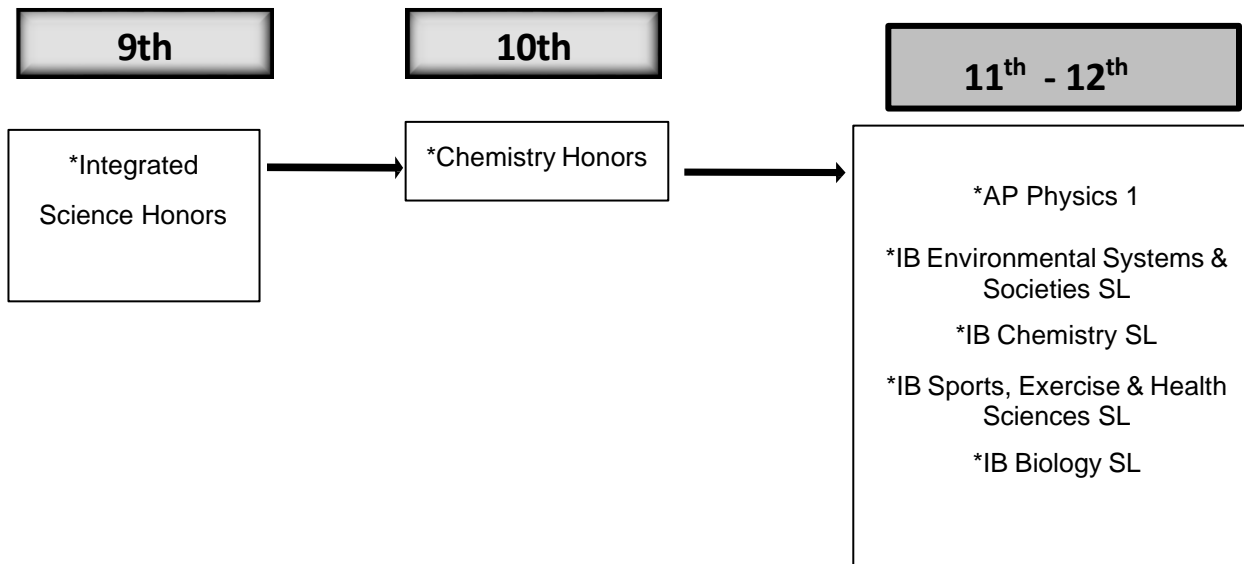


Science related CTE courses available:

Introduction to Health Science (CTE) (0.5) -9th, 10th, and 11th

Human Nutrition for Health (CTE) (0.5) -10th, 11th, 12th

INTERNATIONAL BACCALAUREATE



GUIDELINES FOR SELECTING SCIENCE COURSES

Science is the study of the natural world, with the intention of discovering the probable truths for how the universe works. Science uses inquiry, reasoning and empirical evidence to discover patterns that will allow scientists to make predictions. Courses use these principles to engage in the process of science as a methodology for learning and building knowledge in various fields of life, physical and earth science.

The Science Department recommends the following:

- If you are college bound as a science and/or mathematics major, 4-5 years of science.
- If you are college bound but not as a science or math major, 3-4 years of science.

Three (3) years of science are required for graduation.

****Courses with weighted grades***

***ANATOMY AND PHYSIOLOGY HONORS**

Grades: 11, 12

Year: 1 credit

Prerequisite: Two years of lab science with a "C" (including Chemistry and Biology) OR Concurrent Enrollment in Chemistry

Focuses on basic knowledge of body structures and function, and provides a foundation for understanding deviations from normal and disease conditions. This course is designed for individuals interested in health care and is directly applicable to the Practical Nursing Program, Paramedic Program and the Medical Office Technology program.

***AP PHYSICS 1**

Grades: 11, 12

Year: 1 credit

Prerequisite: Algebra 2 or equivalent course (with a grade of an A/B), and/or math PSAT score of at least 500.

AP Physics 1 is designed to be the equivalent of a first semester college course in algebra-based physics. The curriculum for this class is the College Board Advanced Placement Physics 1 curriculum, including kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, and fluids; the course will also introduce electric circuits and mechanical waves and sound. This course differs from a high school course with respect to the laboratory work done and the time and effort required of the student outside of class. The expectation is that the student will take the AP exam at the end of the course (exam fees apply).

ASTRONOMY

Grades: 12

Semester: ½ credit

Prerequisite: Successful completion of Chemistry and Physics (or concurrent enrollment in Physics)

This course focuses on the modern science of astronomy and cosmology, and builds upon the foundational knowledge and skills of chemistry and physics. The process of scientific study provides the foundation of this course. Students will study the relationship of the earth with our solar system, our galaxy, and the universe. Some topics include planets, stars, black holes, stellar evolution, imaging, rocketry and other solar phenomena.

BIOLOGY

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Concurrent enrollment in Algebra 1 OR Geometry

In this class, students will explore relationships between structure and function in organisms, and the interaction of cells and organisms with each other and their environments. Units of study will include: ecology, chemistry of life, cellular structure and function, genetics, evolution, classification, and human systems. Laboratory activities reinforce concepts and principles presented.

***BIOLOGY HONORS**

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Concurrent enrollment in Geometry or higher, OR concurrent enrollment in honors English.

In this class, students will explore relationships between structure and function in organisms and the interaction of cells and organisms with each other and their environments. Units of study will include: ecology, chemistry of life, cellular structure and function, genetics, evolution, classification, and human systems. Laboratory activities reinforce concepts and principles presented. This course covers the same topics as the regular biology program, but in a greater depth and at an accelerated rate.

CHEMISTRY

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Biology and Algebra 1 (with grade C or better)

This course provides the opportunity to develop knowledge and understanding about the relationships between the structure and properties of matter and the interaction of mass and energy. Units of study include: How can we search for life in the universe? (atomic structure, periodicity, bonding), Why do we use gasoline rather than rocket fuel? (energetics, thermochemistry, reactions, matter and its changes, stoichiometry), Why are all the oysters dying? (kinetics, chemical composition, acid/base chemistry), How can a small amount of uranium power destroy a city? (nuclear chemistry, reactions, atomic structure), and Why is the polar ice melting? (gas laws, climate chemistry). Laboratory activities reinforce concepts and principles presented in this course.

***CHEMISTRY HONORS**

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Biology Honors or teacher recommendation, and successful completion of Algebra 1 or Geometry (with a grade of A/B).

This course provides the opportunity to develop knowledge and understanding about the relationships between the structure and properties of matter and the interaction of mass and energy. Units of study include: How can we search for life in the universe? (atomic structure, periodicity, bonding), Why do we use gasoline rather than rocket fuel? (energetics, thermochemistry, reactions, matter and its changes, stoichiometry), Why are all the oysters dying? (kinetics, chemical composition, acid/base chemistry), How can a small amount of uranium power destroy a city? (nuclear chemistry, reactions, atomic structure), and Why is the polar ice melting? (molecular geometry, gas laws, climate chemistry). Laboratory activities reinforce concepts and principles presented in this course. This course covers the same topics as the regular Chemistry program, but in a greater depth and at an accelerated pace.

EARTH SCIENCE

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Biology and either Chemistry or Physical Science

This lab-based course is a one-year study of the principles of Earth Science related to the Earth's lithosphere, atmosphere and hydrosphere. The course will include a study of geology, meteorology, hydrology, and climate, with a focus on using the science and engineering skills to develop scientific literacy.

***EARTH / PHYSICAL SCIENCE HONORS**

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Successful completion of Honors Biology, Honors Chemistry, or Honors Physics (C or better).

This course is designed for juniors and seniors interested in an advanced study of the Earth's interconnected systems. This lab-based course is a year-long study of Earth's lithosphere, hydrosphere, and atmosphere and will include topics such as plate tectonics, geology, natural resource use and management, water resource use and management, meteorology, global climate, and climate change. This course will focus on utilizing the scientific method and the science and engineering practices to develop scientific literacy.

ECOLOGY

Grades: 11, 12

Year: ½ credit

Prerequisite: Completion of 2 years of lab science

This class is accessible for seniors of all levels and is intended for students who are interested in the study of how the living and non-living environment impacts life. Specifically, students will investigate biomes, population ecology, weather and how humans impact ecosystems.

ENVIRONMENTAL SCIENCE

Grades: 11, 12

Year: ½ credit

Prerequisite: Completion of 2 years of lab science

This course focuses on issues in Environmental Science such as population growth, natural resources, biodiversity, agriculture, mining, water, global climate change, ocean health, and pollution. These topics are explored through a series of hands-on activities and labs that focus on real-world skills with a focus on careers and technology in the field. The course also includes a strong service learning component as the students run, maintain, and improve the school-wide recycling program at Smoky Hill.

FORENSIC SCIENCE

Grades: 11, 12

Semester: ½ credit

Prerequisite: Completion of 2 years of lab science. For 11th graders, completion of at least 1 honors science course.

This course is a semester-long study of forensic science, the application of science to those criminal and civil laws that are enforced by police agencies. It is a practice that incorporates Biology, Chemistry, Entomology, Earth Science, Physics, Anatomy and Physiology, as well as other areas of science and technology. Observational skills, investigation and evidence collection, trace evidence (hair, pollen, fibers, glass, etc.), fingerprinting, DNA analysis, blood pattern analysis, document analysis, and ballistics will be among the specific areas studied.

***IB BIOLOGY SL**

Grades: 11, 12

Year: 1 credit

Prerequisite: Successful completion of 2 years of lab science, one of which must be Chemistry or Chemistry Honors

The core principle of SL Biology is to develop a broad understanding of the concepts while enhancing the students' critical thinking skills. There are four basic biological themes that run throughout the course: structure and function, universality versus diversity, equilibrium within systems, and evolution. A variety of topics are covered: statistical analysis, cells, the chemistry of life, genetics, ecology and evolution, and human health and physiology. Along with the theoretical aspects of the topics, students also complete a practical component to further develop their application of the concepts. This component includes an interdisciplinary project with the other IB sciences. At the end of this course, students will be prepared for the IB Biology SL exam.

***IB CHEMISTRY SL**

Grades: 11, 12

Year: 1 credit

Prerequisite: Successful completion of 2 years of lab science, one of which must be Chemistry or Chemistry Honors

This is a one year standard level chemistry course for IB/DP students or students looking for an additional experience in chemistry. It is a rigorous, college-level chemistry course that requires strong critical thinking and mathematical skills. Topics covered include stoichiometry, atomic structure, bonding, energetics, kinetics, equilibrium, acids and bases, and organic chemistry. Students will also complete an extensive chemistry investigation as part of the IB curriculum. IB (Standard Level) Chemistry may be taken as a Standard Level Group 4 course and/or as the sixth area course.

***IB ENVIRONMENTAL SYSTEMS AND SOCIETIES SL**

Grades: 11, 12

Year: 1 credit

Prerequisite: Successful completion of 2 years of lab science, one of which must be Chemistry or Chemistry Honors

IB Environmental Systems and Societies is a trans-disciplinary course that provides a coherent perspective of the interrelationships between environmental systems and societies, allowing students to evaluate the scientific, ethical, and socio-political aspects of environmental issues. Students will take the IB Exam in addition to completing an individual investigation based on experimentation and research as part of the IB curriculum.

***IB SPORTS, EXERCISE AND HEALTH SCIENCES SL**

Grades: 11, 12

Year: 1 credit

Prerequisite: IB students: Successful completion of 2 years of lab science, one of which must be Chemistry or Chemistry Honors. Non-IB students: Successful completion of AP Physics 1 or Physics (12th grade course only)

This is a one-year standard-level IB science course. The course involves the study of the science that underpins physical performance. The course incorporates the traditional areas of anatomy and physiology, biomechanics, psychology and nutrition. Students learn a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance in sport and exercise science. The course will also address international issues and ethics by considering sport, exercise and health relative to the individual in a global context. At the end of the course students will be prepared for the IB SL exam.

INTEGRATED SCIENCES

Grades: 9, 10

Year: 1 credit

Prerequisite: Concurrent enrollment in Algebra 1 or Geometry

Physical Science is a full-year course designed to provide the student with a solid foundation in scientific concepts in biology, chemistry, physics and earth science. This course is designed to prepare students for further study in Biology, Earth Science, Chemistry, and Physics with an emphasis placed on experimental design and scientific process skills. A major portion of the course is spent in laboratory work.

***INTEGRATED SCIENCE HONORS**

Grades: 9

Year: 1 credit

Prerequisite: Enrollment in an honors-level math course (Geometry Honors or higher) is strongly encouraged

This course is designed for 9th grade students with high mathematical ability who intend to pursue Honors and AP and IB science classes in high school. Basic biology, earth science, chemistry and physics concepts will be covered at an accelerated pace with heavy emphasis on laboratory work, mathematical applications, and problem solving. In addition, students' skills in communicating information clearly through the written word, mathematical equations and graphs will be stressed. Students will develop skills in using both computers and calculators to aid in collecting and organizing data.

PHYSICS

Grades: 11, 12

Year: 1 credit

Prerequisite: Grade of C or better in previous science and math courses. Concurrent enrollment in Algebra 2 or higher.

This course helps students understand the physical laws of our world through a project-based curriculum. Units of study include: forces, motion, energy, light, waves, electricity, and magnetism. Laboratory work serves to promote understanding and to illustrate the experimental nature of physics.

***PHYSICS HONORS**

Grades: 11, 12

Year: 1 credit

Prerequisite: Grade of A/B in previous math and science courses. Concurrent enrollment in Algebra 2 (honors) or higher.

Recommended math PSAT score of at least 500

This course is a lab-based survey investigation of the physical world including Newtonian mechanics (motion, force, energy, and momentum), electricity and magnetism, and waves. Practical laboratory work in small groups is a regular part of the course, promoting understanding and illustrating the experimental nature of physics. This course covers the same topics as regular Physics but at an accelerated pace and in greater depth.

SCIENCE RELATED CTE COURSE AVAILABLE:**INTRO TO HEALTH SCIENCE (CTE)**

Grades: 9, 10, 11

Semester: ½ credit

Prerequisite: None

Introduction to Health Science is a foundational course for all Health Science Programs of Study. This course encourages awareness of career possibilities in healthcare and informs students of educational opportunities available in health science programs. Instruction also includes beginning anatomy and physiology, medical terminology, employability skills, communication skills, customer service skills, cultural awareness, disease and disorders with a focus on homeostatic imbalances, and technological skills necessary in the health care industry.

HUMAN NUTRITION FOR HEALTH (CTE)

Grades: 9, 10, 11, 12

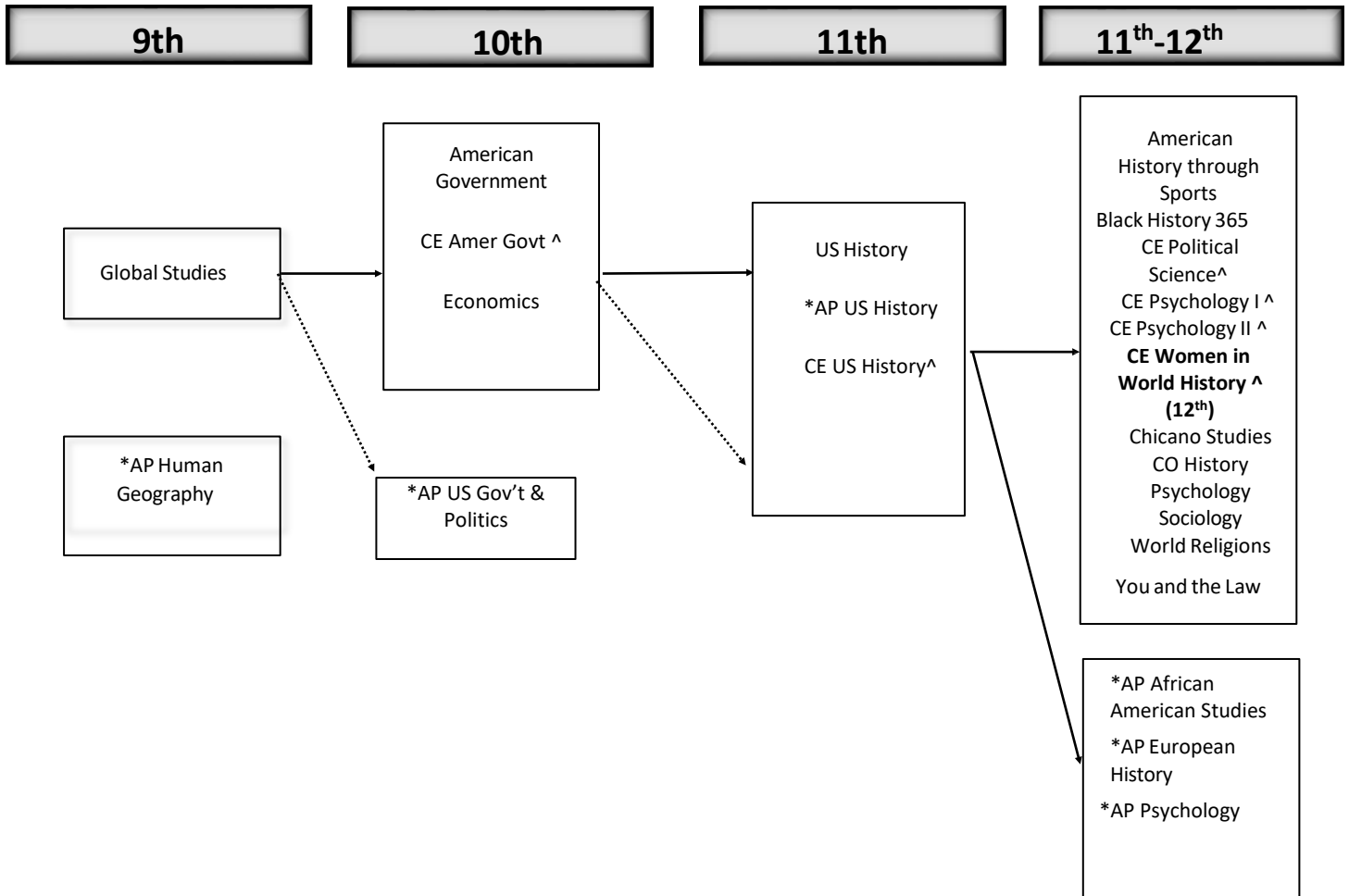
Semester: ½ credit

Prerequisite: None

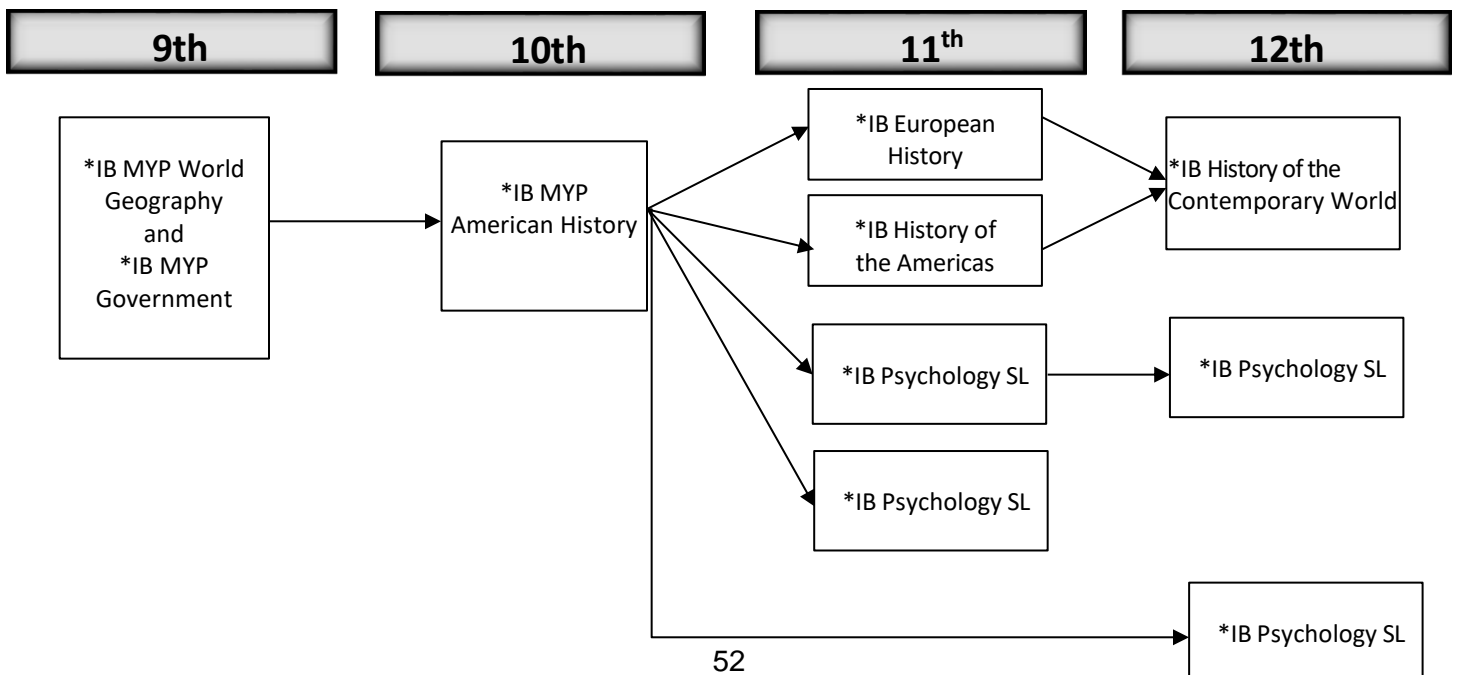
Human Nutrition for Health is designed to provide an opportunity for students to gain a basic understanding of nutrition. The course will enable students to identify common food sources of nutrients and the purposes of these nutrients in childhood, adolescence, and adulthood. Students will learn to apply principles of nutrition, including current dietary guidelines to their lifestyle and future careers.

SOCIAL STUDIES

STANDARD/ADVANCED



INTERNATIONAL BACCALAUREATE



GUIDELINES FOR SELECTING SOCIAL STUDIES COURSES

All students must earn 3 units of Social Studies credit in order to graduate from Smoky Hill High School. Students are encouraged to balance their Social Studies courses between history and social science courses.

One of the 3 units of Social Studies credit must be in US History. Students may receive the credit by taking either US History or AP US History for 11th/12th grade with instructor approval.

One half credit of Social Studies must be in Government. Students may receive this credit by taking American AP Government, American Government (full year), MYP World. Geography/Government,

Ninth grade students must take a full year of Social Studies. A student may take Global Studies or AP Human Geography (only recommended students that intend to elect AP courses for the next three years).

Tenth grade students must take American Government and Economics unless they have been approved for AP courses.

Eleventh grade students must take United States History by taking either U.S. History, AP U.S. History or CE U.S. History. In **addition** to a U.S. History course students may also take an upper level Elective.

Twelfth Grade students can choose from any of our Junior, Senior level electives.

AMERICAN GOVERNMENT

Prerequisite: None

Grades: 10, 11, 12

Semester: ½ credit

American Government is required for graduation. This course is designed to help students understand the purposes of government and the basic constitutional principles of the US republican form of government. Students will study the federal structure in the US and analyze local, state, and federal government roles. Students will learn about the rights and responsibilities of citizens and investigate the broad range of civic participation in our society. There will be an examination of the US role in the world and the conduct of foreign policy. The course will familiarize students with contemporary issues that face the US and encourage them to articulate public policy positions

AMERICAN HISTORY THROUGH SPORTS

Grades 12

Semester: ½ credit

American History Through Sports will examine the intertwined relationship that sports have with cultural, political, economic and social phenomena in American History. An emphasis will be placed on the roles of race, gender, ethnicity, socioeconomics, and other elements in terms of understanding historical context and developing historical and critical thinking skills. The course will cover 20th and 21st century history primarily, and will utilize critical reading of primary and secondary sources (both audio and visual), project based learning, class discussion, creating and defending historical arguments, and historical inquiry. The class is designed to fit the backgrounds, needs and learning styles of all students

***AP AFRICAN AMERICAN STUDIES**

Grades 12

Semester: 1 credit

AP African American Studies is designed to be the equivalent of an introductory college or university course in African American Studies and related courses, including Africana Studies, Black Studies, and African Diaspora Studies. The experience of Africans in America and the Diaspora is broad and deep. The study of that experience will be examined in the beginning of Africa. The course of study will then detail the history of blacks in America. It is impossible to capture each element of the journey, but our analysis will be an interdisciplinary approach to explore some of the political, cultural, economic, artistic and social themes that illustrate the influence that African Americans' realities had on the past as well as the present.

***AP EUROPEAN HISTORY**

Prerequisite: Teacher Recommendation; Instructor Approval

Grades: 12

Year: 1 credit

The AP Program in European History is designed to provide qualified and highly motivated students with the opportunity to experience a college-level survey course and to prepare for the AP exam. The course will include extensive factual coverage of major events and trends in European history from approximately 1450 AD through 2000 AD. Readings in a wide variety of primary and secondary sources will also prepare the student to critically analyze historical evidence. Emphasis will be placed on intellectual, cultural, and social history as well as more traditional political-diplomatic subjects.

***AP HUMAN GEOGRAPHY**

Prerequisite: Teacher Recommendation; Instructor Approval

Grades: 9

Year: 1 credit

The AP/IB (SL) Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Contemporary issues such as urbanization, population, migration, economic development, ethnic conflict, human responses to natural hazards, and environmental quality are becoming increasingly important. These and other related themes will be examined from local, regional, and global perspectives. Students will use spatial concepts, computer simulations, field experiences, and landscape analysis to better understand human social organization and its environmental consequences. This course includes Holocaust and Genocide Studies.

***AP PSYCHOLOGY**

Grades: 12

Year: 1 credit

Prerequisite: Teacher Recommendation; Instructor Approval

The AP Psychology course is designed to introduce students to the systemic and scientific study of the behavior and mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. All students are encouraged to culminate their experience by taking the AP examination. Successful completion of this exam (with a score of 3 or higher) may result in earned college credit.

***AP US GOVERNMENT & POLITICS**

Grades 10

Year: 1 credit

Prerequisite: None

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events and interpret data to develop evidence-based arguments.

***AP US HISTORY**

Grades: 11, 12

Year: 1 credit

Prerequisite: Teacher Recommendation; Instructor Approval

This course examines the major political, social, cultural, diplomatic, military, intellectual, and economic developments in American history from the first inhabitants of the Americas to the recent past. The aim of this survey is to provide an understanding of the events, forces, developments, groups, and individuals that have shaped American history from indigenous civilizations to the contemporary period. A principle focus of this course is on developing, practicing, and strengthening the skills historians use to construct knowledge in this discipline. The AP Program in American History is designed to provide motivated students with the factual knowledge and skills necessary to comprehend the content offered in a lower division American history survey. Accordingly, this college level course focuses on chronological periods, continuity and change, cause and effect relationships, and critical and thematic understanding. An AP exam, which is optional, will be administered at the end of the course providing students with the opportunity to obtain college credit and/or advanced placement.

BLACK HISTORY 365

Grades: 11, 12

Semester: ½ credit

Prerequisite: None

The Black History 365 course will explore the unique stories of Black persons, groups, and cultures in North America, beginning in Ancient Africa continuing to modern events and movements. Student will engage in a historical exploration and analysis of the Black experience in America.

CHICANO STUDIES (Elective Credit)

Grades: 12

Semester: ½ credit

Prerequisite: None

This course introduces students to the broad range of the interdisciplinary field of Chicana/Chicano studies. The course covers major historical moments beginning with an overview of pre-Columbian civilizations in the Americas and Medieval Spain, which have led to the contemporary social location of Mexican-origin population within the United States. In addition, the course introduces students to the broad scope of Chicana/Chicano cultural production in the creative arts such as visual, film, music, and literature. Resources draw from various disciplines including but not limited to: sociology, history, political science, anthropology, education, art and art history, women and gender studies, and religious studies.

COLORADO HISTORY

Grades: 11, 12

Semester: ½ credit

Prerequisite: None

Colorado History is a comprehensive study of the state of Colorado. This course is designed to fit the academic needs and backgrounds of students with a variety of learning styles. Resources such as books, readings, maps, films, the Internet, and the library will be used as a primary source. A variety of sites outside the classroom are available for students to use in their study of Colorado history. Students will gain insights into the diversity and continual development of Colorado, realizing their relationship to Colorado history.

CE GENERAL PSYCHOLOGY I

Grades: 12

Semester: ½ credit / College: 3

Prerequisite: None

This course focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

CE PSYCHOLOGY II

Grades: 12

Semester: ½ credit / College: 3

Prerequisite: None

This course focuses on the scientific study of behavior including cognition, language, intelligence, psychology assessment, personality, abnormal psychology, therapy, life span development, sex, gender, sexuality, and social psychology. This is a statewide Guaranteed Transfer course in the GT-SS3 category.

CE AMERICAN GOVERNMENT



Prerequisite: None

Grades: 10, 11, 12

Semester: ½ credit / College: 3

This college level course includes the background of the U.S. Constitution, the philosophy of American government, general principles of the Constitution, federalism, and civil liberties. Examines public opinion and citizen participation, political parties, interest groups, and the electoral process, and the structure and functions of the national government. This course fulfills your Government requirement for graduation.

CE INTRO TO POLITICAL SCIENCE



Prerequisite: Any level of Government course

Grades: 11, 12

Semester: ½ credit / College: 3

This college level course focuses on an overview of the discipline of political science, including political philosophy and ideology, democratic and non-democratic governments and processes, and international relations.

ECONOMICS

Prerequisite: None

Grades: 10, 11, 12

Semester: ½ credit

Economics is offered to students who wish to broaden their social studies background by developing economic literacy. It provides an excellent foundation for future economics courses in college. It is also useful for anyone who might want to pursue a business or financial career. The course stresses the fundamental concepts of economics (scarcity, choice, cost) and examines the real world through those lenses. There is a broad analysis of the free enterprise system and the forces which govern it as well as a closer examination of topics such as wealth and poverty, money, banking, government stabilization policies, international trade, and environmentalism. Students also participate in a ten week stock market game simulation to learn the fundamentals of investing.

GLOBAL STUDIES

Prerequisite: None

Grades: 9

Year: 1 credit

This course is designed to expose students to both world geography themes and historical events and themes in the world's history. The course is year long and units are designed to complement both content areas. The course will cover the skills that are necessary for students to deepen their understanding of geography and world history as well as improve their reading, writing, and critical thinking skills. Themes to be covered include but are not limited to thinking like a geographer, thinking like a historian, river valley and river civilizations, population and development, emerging civilizations and empires, imperialism and conflict, expansion and interaction of economic systems, and urban geography. This course includes Holocaust and Genocide Studies.

*IB CONTEMPORARY WORLD

Prerequisite: IB Diploma Programme

Grades: 12

Year: 1 credit

This is the culmination of the IB's two-year history course, merging IB European History and IB History of the Americas courses. Starting with the aftermath of the First World War and an examination of the political spectrum, students turn to Fascist single party states in Europe and the Americas including Mussolini's Italy, the National Socialist takeover of Germany's Weimar Republic, and Pinochet's Chile. The focus then moves to Asia to examine Japan, particularly the militarism of the 1930s, and then to the causes and conduct of World War II. The Cold War is a particular focus of second semester with special emphasis on US-Soviet interactions and their impact on the contemporary world, including Castro and the Cuban Missile Crisis and the Vietnam War. An in-depth study of recent Chinese history and the Communist Revolution of 1949 will complete our study. Students complete a lengthy research paper on a Cold War topic and participate in a class seminar on these topics. Much attention is given to critically analyzing documentary evidence throughout the year long course.

*IB EUROPEAN HISTORY

Prerequisite: IB Diploma Programme; IB MYP American History

Grades: 11

Year: 1 credit

The IB course in European History is designed to provide qualified and highly motivated students with the opportunity to excel in a college level survey course and to prepare for the second year of the program and includes the HL IB exams and writing. The course will include extensive factual coverage of major events and trends in European history from approximately 1450 through Stalin in WWII. Readings in a wide variety of primary and secondary sources will also prepare the student to critically analyze historical evidence. Emphasis will be placed on intellectual and political-diplomatic subjects as well as more traditional cultural and social history.

*IB HISTORY OF THE AMERICAS

Prerequisite: IB Diploma Programme, IB MYP World History

Grades: 11

Year: 1 credit

IB History of the Americas is a course that provides the students an opportunity to focus on political, social, economic, religious, technological, and cultural events in North, Central, and South American history. The timeline for the course is from Imperialism through Cold War. Readings in a wide variety of primary and secondary sources will also prepare students to critically analyze historical evidence. This course will also give IB students a chance to undertake a college level survey course and to prepare them for the second year of the IB program that will include the HL IB exam and writing.

*IB PSYCHOLOGY HL

Prerequisite: IB Psychology SL OR AP Psychology (with Instructor Approval)

Grades: 12

Year: 1 credit

The second year of IB Psychology is designed to fulfill the requirements for **either** the Higher Level or Standard Level Group 6 elective of the International Baccalaureate Programme. Students will go deeper in the study of psychological theory focusing on the following topics: biology, cognitive, social psychology, sports psychology, developmental psychology, and abnormal psychology. As their Internal Assessment, students will replicate a simple experiment of their choice.

***IB PSYCHOLOGY SL**

Grades: 11, 12

Year: 1 credit

Prerequisite: IB Diploma Programme OR Instructor Approval

The first year of IB Psychology will use the Advanced Placement Psychology curriculum as a foundation for the study of psychological theory. Topics include: research methods, neuropsychological, sensation/perception, states of consciousness, learning, memory and personality. In addition, sub-topics include: developmental, social and abnormal psychology. **Students are strongly encouraged to take the AP Psychology exam in May.**

***IB MYP AMERICAN HISTORY**

Grades: 10

Year: 1 credit

Prerequisite: Enrollment in MYP

An intensive year-long study of American History, this class provides the student with a chronological and thematic foundation for the nation's past. The development of American foreign and domestic policies is examined as well as cultural trends. The student is responsible for reading a college level text, as well as frequent writing assignments. Supplementary works include various primary sources (i.e. documents) and scholarly readings. The primary goals of this class are to prepare the students for the IB program, IB exams, and the optional AP American History examination.

***IB MYP WORLD GEOGRAPHY**

Grades: 9

Semester: ½ credit

Prerequisite: Enrollment in MYP

This course will provide students the opportunity to study world geography through the thematic approach while using a variety of perspectives. The course will focus on a worldwide study of the earth's people and their interaction with their environment. Topics to be explored include globalization, resources, population, politics, and global cooperation. This course includes Holocaust and Genocide Studies. The course is a required component of IB MYP.

***IB MYP GOVERNMENT**

Grades: 9

Semester: ½ credit

Prerequisite: Enrollment in MYP

This course will provide the opportunity for students to study government institutions and political processes and examine policy choices. The institutions and policies of the U.S. government will be considered in light of historical change, constitutional procedures, and comparative perspectives. The government class is required as part of the IB MYP program as well as for high school graduation.

PSYCHOLOGY

Grades: 11, 12

Semester: ½ credit

Prerequisite: None

Psychology is the study of animal and human behavior in their attempt to function within their society. The students, by gaining a greater understanding of cause and effect in behavior, should be able to deal more effectively with themselves and others.

SOCIOLOGY

Grades: 11, 12

Semester: ½ credit

Prerequisite: None

Sociology is the science that studies human society and social behavior. Sociologists are mainly interested in social interaction (how people relate to one another and influence each other's behavior). Consequently, sociology focuses on the group rather than on individual. This course will provide the student the opportunity to study topics such as socialization, culture, social issues, and social institutions. Sub-topics can include: crime, racism, deviance, religion, gender roles, poverty, and sexuality – virtually any topic that has the focus of people interacting with people. By relating sociological principles to family, friends, Smoky Hill High School, and the surrounding community, students will develop the skills necessary to conduct socio-logical research including conducting surveys, experiments, observations, interviews, and literary reviews.

US HISTORY

Grades: 11

Year: 1 credit

Prerequisite: None

This is a survey course covering US History from our beginnings through present times. Students will be exposed to political, social, economic, and diplomatic history. Students will learn methods of historical inquiry through the use of class discussions, lectures, primary sources, and technology. US History students will learn about the variety of references and resources available for providing them information about their history. Students will evaluate past experiences and apply these outcomes towards society and his/her role in it.

CE US HISTORY



Grades: 11, 12

Year: 1 credit / College: 6

Prerequisite: ACT English 17+ OR SATV 470 OR Accuplacer SS 70 and RC 62. Students may also qualify with a waiver for testing if cumulative GPA is 3.0+ and grades in 11th grade English course is B or better in the spring semester.

This will be a two-semester course providing six possible college credit for students. First semester is from exploration to Reconstruction. The second semester is US History since the Civil War. Both courses require a research paper to earn college credit. This course explores events, trends, peoples, groups, cultures, ideas, and institutions in North America and United States history, including the multiple perspectives of gender, class, and ethnicity, between the period when Native American Indians were the sole inhabitants of North America and the American Civil War. The second semester focuses on the same themes listed above during the period of the American Civil War to the present. Focus in both semesters is on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.

CE Women in World History



Grades 12

Semester: ½ credit / College: 3

Prerequisite: None

The history of women and gender are central to understanding the global past as well as that of individual cultures, states, societies, and economic systems. This course will examine the lives of women over time as well as examining the role of gender—that is the cultural construction of masculinity and femininity—as one of its key elements. The course will introduce the idea of gender as a pivotal form of power relationships in world historical developments ranging from the evolution of family structures to cultural values such as religion, the arts and literature, and the world of thought.

WORLD RELIGIONS

Grades: 11, 12

Semester: ½ credit

Prerequisite: None

This course is a study of the major religions of the world including Buddhism, Christianity, Hinduism, Judaism, Islam, and Taoism. The course will begin with a study of creation stories and mythology. Each religion will then be examined from several points of view: the historical development, beliefs and practices, and its effects on modern society. Students will do an in-depth study of a particular religious sect in order to appreciate its richness and its significance. The class will look at areas of religious controversy and the development of religious cults.

YOU AND THE LAW

Grades: 11, 12

Semester: ½ credit

Prerequisite: None

The American Law class will acquaint students with our legal traditions through a thorough examination of the Constitution as a framework of our system of law. Emphasis will be placed on correlating legal principles with everyday problems facing the individual and society. Throughout the course, the rights of all citizens will be examined by an exploration of the court system, trial procedures, constitutional law, criminal law, civil law, family law, consumer law, and juvenile law.

SPECIAL PROGRAMS

AP CAPSTONE COURSES

***AP CAPSTONE PROGRAM**

The College Board's AP Capstone is an innovative and engaging college-level program that complements and enhances discipline-specific AP courses. It's built on two courses offered at Smoky Hill High School—AP Seminar and AP Research—that immerse students in the practice of critical skills needed to distinguish themselves in college and life. AP Capstone encourages a passion for learning, transforming students into curious, collaborative, and independent thinkers with skills that are valued and sought after by colleges and universities. Students who earn scores of 3 or higher in AP Seminar and AP Research, and on four additional AP Exams of their choosing will receive the AP Capstone Diploma issued by The College Board. This signifies their outstanding academic achievement and attainment of college-level academic research skills. Students who earn scores of 3 or higher in both AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and AP Research Certificate issued by The College Board. These stipulations are directed by The College Board

***AP SEMINAR**

Grades: 10, 11

Year: 1 credit

Prerequisite: Application required

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments.

***AP RESEARCH**

Grades: 11, 12

Year: 1 credit

Prerequisite: Successful completion of AP SEMINAR

AP Research allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

AVID

AVID ELECTIVE

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Acceptance into AVID program through application and interview

AVID is a four-year program designed to prepare and guide students toward college. In the AVID elective class, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and reading to support their academic growth. Students receive instruction in motivational activities, academic survival skills, and college entry skills. Tutor-led study groups are an integral part of the learning process. Note: After completing 3 units of AVID, students may request that 1 credit (maximum) be applied towards a specific graduation requirement (Fine Arts).

AVID TUTOR

Prerequisite: Teacher Recommendation and/or Application

Grades: 11, 12

Semester: ½ credit

CALL 2 ACTION

CALL 2 ACTION

Grades: 10, 11, 12

Year: 1 credit

Call to Action is the Courageous Conversation™ vehicle for high school student leadership development. Call to Action addresses issues surrounding race, identity, and academic achievement through meaningful and ongoing conversations between students and among students and the adults in their schools. As students are given a voice and opportunities for equity leadership, they become a more visible voice for change in their schools. As such, the preparation of school staff to receive, nurture, guide, and support students' leadership is one of the most critical factors in the Call to Action process. The Call to Action program pairs student seminar days with advisor seminar days, gradually building capacity for students to plan and execute equity-themed events under the mentorship of their advisors.

CRIMINAL JUSTICE

CE CRIMINAL JUSTICE AND LAW I



Grades: 11,12

Year: 1 credit / College: 6

Prerequisite: None

This course combines Introduction to Criminal Justice (CRJ 1010) and Correctional Process (CRJ 1045). This course introduces students to the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization, perspectives and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies and current criminal justice issues are examined. Students examine the history of corrections in America from law enforcement through the administration of justice, probation, prisons, correctional institutions, and parole. This course examines the theories, rationales for punishment, and the political system in which corrections, as a component part of the criminal justice system, needs to operate. The course emphasizes legal, sociological, psychological, and other interdisciplinary approaches that effect the operation of a correctional system. This course is a yearlong course. Students will have the opportunity to earn high school credit while at the same time enroll in and earn six community college credits with the opportunity to transfer credit to an institution of higher education. More information can be found at <https://www.cherrycreekschools.org/Page/2806>.

Concurrent/Dual Enrollment: CRJ 1010, CRJ 1045

Course Fee: may be applicable



CE CRIMINAL JUSTICE AND LAW II

Grades: 12

Year: 1 credit / College: 6

Prerequisite: Successful completion of Criminal Justice and Law I

This course combines Principles of Criminal Law (CRJ 2005) and Victimology (CRJ 2057). Focuses on common law and statutory law crimes, the Model Penal Code, elements defining crimes and penalties, defenses to criminal accusations, and definitions and distinctions between criminal and civil law. Demonstrates to the student the role the crime victim plays in the criminal justice system. The traditional response that a crime victim receives from the system will be studied and the psychological, emotional and financial impact these responses have on victimization will be analyzed. Students will have the opportunity to earn high school credit while at the same time enroll in and earn six community college credits with the opportunity to transfer credit to an institution of higher education. More information can be found at <https://www.cherrycreekschools.org/Page/2806>.

Concurrent/Dual Enrollment: CRJ 2005, CRJ 2057

Course Fee: may be applicable

ELA

NEWCOMER ENGLISH LANGUAGE SUPPORT I

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Students in ELA Program

This class is intended for multilingual learners (MLs) who are new (within 1 year) to the United States and who are at the Entering (level 1) or Emerging (level 2) stages of English language proficiency based on WIDA Screener and a supporting body-of-evidence. This class provides explicit English language instruction that will support MLs in communicating information, ideas, and concepts for academic success in content areas.

NEWCOMER ENGLISH LANGUAGE II

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Teacher Determination

This class is intended for multilingual learners (MLs) who are new (within a year) to the United States and who are at the Entering (level 1) or Emerging (level 2) stages of English language proficiency based on WIDA Screener and a supporting body-of-evidence and demonstrate that an additional semester will support them to move out of the Entering/Emerging stages. This class provides explicit English language instruction that will support MLs in communicating information, ideas, and concepts for academic success in content areas.

HEALTH SCIENCES PATHWAY

***ANATOMY ANDPHYSIOLOGY HONORS**

Grades: 11, 12

Year: 1 credit

Prerequisite: Two years of lab science with a "C" (including Chemistry and Biology) OR Concurrent Enrollment in Chemistry

The course provides a deeper exploration of the human body and biological systems in greater detail. Students expand their knowledge of the body and terminology/phonetic pronunciations used to describe and locate body parts as well as an overall review of human development and body processes. This course includes infection control and standard precautions, which emphasizes the importance of maintaining health and safety in the healthcare work environment, additionally, it highlights the latest practices and protocols.

HUMAN NUTRITION FOR HEALTH

Grades: 10, 11, 12

Semester: ½ credit

Prerequisite: N/A

This course introduces basic principles of nutrition with emphasis on personal nutrition and satisfies nutrition requirements of students entering health career professions. This course is designed to provide the student with an understanding of fundamental concepts of human nutrition including digestion, absorption, metabolism and function of nutrients as they relate to the improvement and maintenance of human health and the recovery from and avoidance of disease throughout the lifespan.

INTRODUCTION TO HEALTH SCIENCE

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: N/A

This introductory Health Science course provides an overview of the challenging environments and occupation of the healthcare field. This course introduces students to the five pathways that make up the health science cluster (Diagnostic, Therapeutic, and Support Services, Health Informatics, Biotechnology Research and Development). In addition, students are provided a hands-on application of the foundational skills/ knowledge including health maintenance, employability skills, teamwork, healthcare systems, communications, and legal issues in healthcare.

INTERNATIONAL BACCALAUREATE

CREATIVITY, ACTION, SERVICE (CAS)

Grades: 11, 12

Year: 1 credit

Prerequisite: Admission into the IB Diploma Programme

CAS gives IB diploma candidates the opportunity to enhance their personal development by learning through experience. Students will participate in 150 hours of community service between the beginning of their junior year and the end of their senior year. Students will manage the hour requirement between creativity, activity, and service projects as well as complete a big project within the 18-month timeframe. In addition, seniors will write a reflective piece, sharing their experiences throughout CAS. Although there is no grade received for CAS, hours will be tracked using PowerSchool. CAS must be completed to be eligible to receive the IB diploma.

THEORY OF KNOWLEDGE (TOK)

Grades: 11, 12

Semester: ½ credit

Prerequisite: Admission into the IB Diploma Programme

Theory of Knowledge is a core IB class that examines the very nature of knowledge itself within individual disciplines and by making connections between various fields of study. Students must complete a ten-minute oral presentation and the 1600-word Title Paper. The course runs from spring semester of junior year through fall semester of senior year.

EXTENDED ESSAY (EE)

Grades: 11, 12

Year: 1 credit

Prerequisite: Admission into the IB Diploma Programme

Extended Essay is an independent study class wherein students write an academic-style research paper on a topic of the IB diploma candidate's choice from the available IB subjects, assessed according to the formal IB guidelines. Its goal is to cultivate a range of skills including: inquiry, research, independence, communication, critical thinking, writing, organization, referencing, and creativity. Extended Essay compels an IB candidate to understand the ethical academic process of adding individual voice to the body of knowledge. This is a pass/fail course.

PERSONAL PROJECT (PP)

Grades: 10

Year: 1 credit

Prerequisite: Participation in the IB Middle Years Programme

The Personal Project is a culminating project students complete in their 10th grade year of IB Middle Years Programme. This creative, independent, and research based project allows students to pursue an intellectual interest through the application of knowledge, approaches to learning, and Global Context. This is a pass/fail course. Passing score is required for continuation into the IB Diploma Programme.

LIBRARY/MEDIA

LIBRARY ASSISTANT

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: Librarian Approval

Library assistants learn how to manage a customer service desk, check out and shelve books, help maintain the facility, stock supplies, work on audio visual projects, complete clerical tasks, assist with cleaning, and run errands. Excellent attendance and a willingness to work are required for joining the library staff.

LIBRARY INTERN

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: Library Assistant; Librarian Approval

This course is designed for students who have already worked as a Library Assistant. Students interested in learning in greater detail about information resources, library services, and audiovisual production techniques should take this class. In addition to performing some Library Assistant responsibilities, students will have weekly lessons and complete a personal project regarding library issues, resources, or services.

ARTIFICIAL INTELLIGENCE

INTRO TO AI: MACHINE LEARNING (online course)

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: None

Artificial Intelligence is one of the most transformative technologies of the 21st century. Through a partnership with The Coding School (TCS) we are offering a year-long program for high school students to gain real-world skills and knowledge in Machine Learning (ML), a subfield of Artificial Intelligence. The course, is a two semester, for-credit, introductory-level course designed for high school students in grades 9-12. In addition to foundational ML topics, the course will take a unique interdisciplinary approach that will expose students to the power of ML in a multitude of subjects from art, to English!

The course is taught entirely online by Professors and Teaching Assistants in Machine Learning (ML) fields at leading universities. The course consists of weekly lectures, labs and homework assignments, requiring approximately 3-4 hours of work per week. Students will take this course independently. However, additional weekly support is available, including office hours, where students can meet with a TA and receive **one-on-one help**; homework review sessions; and an online platform where students can ask questions and receive answers from TAs.

QUANTUM COMPUTING

QUANTUM COMPUTING (online course)

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Geometry

Quantum computing is a growing research field, which makes use of cutting-edge technology and lies at the very boundary of human knowledge. If you are interested in math, computer science, electrical engineering, or physics, you will soon find that quantum computation lies right at the intersection of all these fields! However, if you are more interested in fields like biology, chemistry, or economics, fret not. Quantum computing has major applications in all these disciplines, which we will also explore over the course of this class. Regardless of whether or not you want to become a quantum engineer, we believe that this class will be invaluable towards your STEM education. You will be joining thousands of students from around the globe in this intensive, virtual course taught live by MIT and Oxford quantum researchers. Complete with weekly lectures and recitation sections led by TAs, students will be introduced to quantum mechanics, quantum computation, and quantum algorithms topics most students do not learn until graduate school.

SOURCES OF STRENGTH

SOURCES OF STRENGTH

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Application, Instructor Approval

Sources of Strength is a diverse evidence-based peer-led program designed to facilitate positive culture and community for the Smoky Hill students. Students in this class will be formally trained through a strengths based model for suicide, violence, bullying and substance abuse prevention. Students will design school wide campaigns aimed at supporting individual and all-school positive resiliency. Students are supported by a team of adult advisors in order to facilitate maximum success in their work. Lessons will be created for Advisory with the message of hope, help and strength in order to allow all students access to their campaign work in Smoky Hill High School. This class counts toward elective credit. This class is a leadership course designed to partner with other programs and clubs within our community and peer leaders are expected to participate in a variety of in school and after school activities as part of their grade and to successfully implement their campaigns.

STUDENT ACHIEVEMENT SERVICES

PUPIL SERVICES PEER TUTOR

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: Instructor Approval

Peer tutors will provide assistance to students with disabilities while in the classroom, cafeteria, hallways, and mainstreamed classes on an individual or small group basis.

STUDENT LEADERSHIP

PEER TUTORING

Grades 10, 11, 12

Semester ½ credit

Prerequisite: Instructor or Office Approval

Peer Tutors will begin with training at the beginning of each semester to develop and enhance their communication, problem solving, and conflict resolution skills. They will also learn about academic skills necessary to support student learning and core academic areas. Services provided by peer tutoring include academic tutoring and organizational skills. Peer Tutors must make a semester commitment to the Peer Tutoring Program

STUDENT LEADERSHIP

Prerequisite: Application; Instructor Approval

Grades: 9, 10, 11, 12

Year: 1 credit

Student Leadership is an opportunity for students of all grade levels to represent the student body at Smoky Hill both within the school and out in the community. Students in this class serve as student body officers and class representatives with officer elections held in class in the spring of the previous school year. The major activities of Smoky Hill's Student Leadership include Homecoming, school service activities, and community service projects. Students will learn and use leadership skills and activities to successfully plan and complete a wide range of events and activities. **This course will satisfy the IB MYP Design requirement.**

Note: After completing 3 units of Student Leadership, students may request that 1 credit (maximum) be applied towards specific graduation requirements (Fine Arts).

OFFICE ASSISTANT

Prerequisite: Instructor or Office Approval

Grades: 9, 10, 11, 12

Semester: ½ credit

The student must contract with the teacher, counselor, dean, or administrator for whom he/she wishes to assist. A student assistant should be conscientious, hardworking, and responsible. He/she should be prepared to do general clerical work and other varied tasks in assisting the individuals. Student assistants are used in the following departments: Business, English, World Language, Mathematics, Physical Education, Science, Activities/Athletics, Deans, Counseling, and Student Achievement Services.

All student assistant positions may be taken more than once. However, only ½ credit may be used to complete the minimum 22 credits required for graduation.

WORKEXPERIENCE EDUCATION PROGRAM

Prerequisite: Meet criteria for acceptance, Counselor Recommendation

Grades: 11, 12

Year: 1-4 credits

The Work Experience Education Program is intended to give students experience in work settings where they meet regular work standards. Students work during the after-school hours and on weekends. The students are recommended for the program by counselors, teachers, and the administration. The students are supervised by the counselor-coordinator who supervises work experiences, helps facilitate social-emotional adjustments on the job, and monitors class attendance. The maximum credits that can be earned are four over a two-year period.

STUDENT ACHIEVEMENT SERVICES DEPARTMENT

The Student Achievement Services Department offers special education programs for the students with specific, identified special needs who cannot be entirely satisfied within the regular curriculum. These programs employ teaching methodology and materials developed particularly to satisfy the individual learning style and academic level of each student.

Placement is recommended on referral, assessment, and need identification through the IEP process.

ACADEMIC SUPPORT CENTER

Grades: 9, 10, 11, 12

Year: 1 credit

Academic Support Center (ASC) is a year-long course and students are enrolled in this class based on a referral process and an assessment and needs identification through the special education staffing process. This course provides an environment to support students to navigate the stressors of high school (both in and out of school) and is meant to serve as rewarding and supportive place to empower students to achieve school success.

ACADEMIC SUPPORT LAB

Grades: 9, 10, 11, 12

Year: 1 credit

This course is developed for students to be successful with academic coursework in mainstream classes.

FOUNDATION OF ENGLISH

Grades: 9, 10, 11, 12

Year: 1 credit

This course is designed for students whose reading and writing abilities are limited. The students will benefit from an integrated approach to improve reading, writing, listening, and speaking skills.

FOUNDATIONS OF U.S. HISTORY

Grade: 11

Year: 1 credit

This course is designed for students whose reading and writing skills are limited. The curriculum will focus on U.S. History from our beginnings to the present time.

FOUNDATIONS OF GOVERNMENT

Grade: 10

Year: 1 credit

This course is designed for students whose reading and writing skills are limited. This course is designed to help students understand the purposes of government and the basic constitutional principles of the U.S. republican form of government.

GENERAL LIFE SKILLS

Grades: 9, 10, 11, 12

Year: 1 credit

The course is taught within the Integrated Learning Center (ILC). Students will develop functional skills such as grooming, organization of materials, and both gross and fine motor activities.

ILC COMMUNITY

Grades: 9, 10, 11, 12

Year: 1 credit

The course is designed to teach functional vocational and community survival skills through direct practical experience. Students will work on grocery shopping for their own lunch or for recreation/leisure activities. Students will learn nutrition, meal preparation, money usage, and group dynamics.

ILC ENGLISH

Grades: 9, 10, 11, 12

Year: 1 credit

This course is taught within the Integrated Learning Center (ILC). The class is designed to develop functional English skills with emphasis placed on functional writing, reading, vocabulary, grammar, and speech.

ILC HEALTH

Grades: 9, 10, 11, 12

Year: 1 credit

This course is taught within the Integrated Learning Center (ILC). This class is designed for student with significant reading/writing deficits. The course will follow the curriculum of the district Health course but will be presented in a very basic, concrete manner.

ILC MATH

Grades: 9, 10, 11, 12

Year: 1 credit

This course is taught within the Integrated Learning Center (ILC). The class is designed to assist students with learning functional math skills as they relate to real life experiences. The course includes practical math applications such as measurement, cooking, money, budgeting, and time management.

ILC SCIENCE

Grades: 9, 10, 11, 12

Year: 1 credit

This course is taught within the Integrated Learning Center (ILC). This class is designed to assist students learning functional science and how it relates to daily life. General information relating to fields of biology, human physiology, ecology, and earth science are covered in this year long course.

STUDENT ACHIEVEMENT SERVICES DEPARTMENT

ILC SOCIAL STUDIES

Grades: 9, 10, 11, 12

Year: 1 credit

This course is taught within the Integrated Learning Center (ILC). The class is designed to introduce, develop, and review functional community/social skills. Students will explore functional words/signs, geography, maps, laws, job skills, and different cultures.

MATH FOUNDATIONS

Grades: 9

Year: 1 credit

This course is designed for high school IEP students who need extra help and support in math. In foundations of math 1, students will learn the pre-requisite skills to be successful in algebra and other math classes. This class will include hands-on learning, lecture, cooperative learning, online math programs, teacher modeling, use of manipulatives, note-taking, student practice and assessment of math concepts.

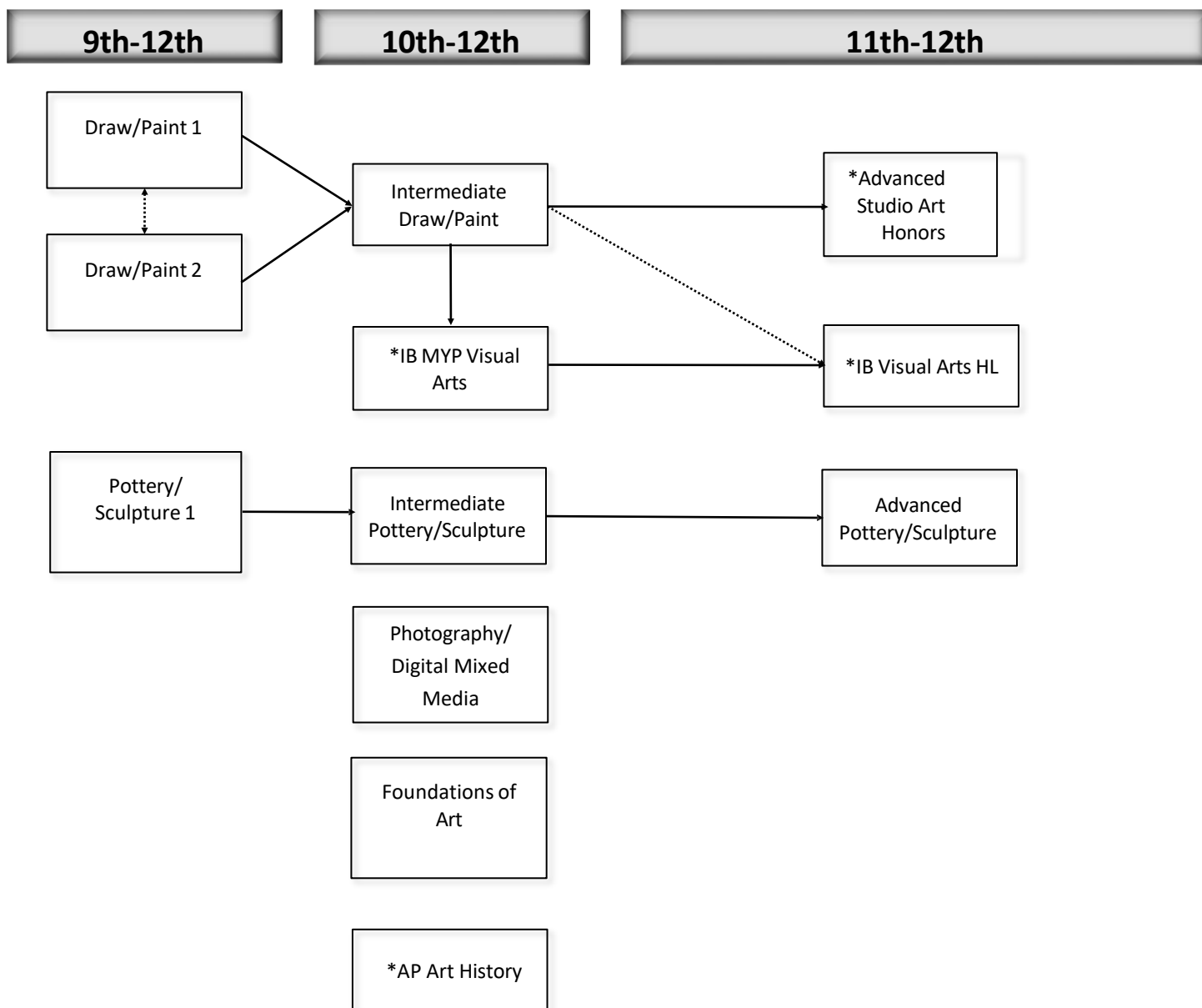
WORKEXPERIENCE STUDY

Grades: 16 years of age or older

Semester/Year: 1-2 credits

This course provides work experience for students in special education program. Students work at least 15 hours/week on a job suitable to their development and receive credit. The SAS coordinator evaluates students. Credit is granted for each semester successfully completed.

VISUAL ARTS



DRAWING / PAINTING 1

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: None

This course is designed to introduce students to the fundamentals of art through drawing, painting, and design. This is a structured studio environment in which students will work with a variety of traditional drawing and painting concepts through a progressive development of techniques, creative thinking strategies, and art history. **This course will satisfy the IB MYP Art requirement.**

DRAWING / PAINTING 2

Grades: 9, 10, 11, 12

Semester: ½ credit

Prerequisite: Drawing / Painting 1 OR Drawing/Design 1

This course is designed to expand on the skills and techniques taught in Drawing/Painting 1 and Drawing/Design 1 with an emphasis on integrating materials and a variety of subjects. While a structured studio environment, students will find more opportunities for self-expression and development of personal concepts. Students will continue to work with a wide range of two-dimensional materials as well as new processes such as collage, printmaking and mixed media. Emphasis will be placed on the creative process/thinking strategies and art history. **This course will satisfy the IB MYP Art requirement.**

INTERMEDIATE DRAWING/PAINTING

Grades: 10, 11, 12

Year: 1 credit

Prerequisite: Drawing/Painting 1 AND/OR Drawing/Design 1

Course Information: Intermediate Drawing and Painting is a **year-long** course designed to continue building the skills and techniques learned in Introduction to Drawing and Painting and /or Drawing and Design. Students will work with a wide range of two-dimensional materials, including watercolor, acrylic paints, pastels and printmaking. Assignments will focus on integrating design, technical skills, creative thinking strategies and personal interpretation into art assignments. Art history and aesthetics will be incorporated into the curriculum. Lab fee of \$20 includes a hardbound sketchbook and miscellaneous supplies. **This course will satisfy the IB MYP Art requirement.**

***IB MYP VISUAL ARTS**

Grades: 10

Year: 1 credit

Prerequisite: Intermediate Drawing/Painting; Instructor Approval

This course is intended for students who plan to enter IB Visual Arts and have completed the prerequisite course. Students will be mentored into the program by being integrated into the IB Visual Arts class. Instruction will focus on helping students refine their technical and conceptual skills in a wide range of media and on helping students develop their own personal style. Students will begin selecting, researching, and interpreting thematic areas of personal interest. Lab fee of \$40 includes a hardbound sketchbook and miscellaneous supplies. **This course will satisfy the IB MYP Art requirement.**

***ADVANCED STUDIO ART HONORS**

Grades: 11, 12

Year: 1 credit

Prerequisite: Instructor Approval; Intermediate Drawing/Painting

This course is intended for the highly motivated art student who is committed to experimentation, growth, and achievement in the study of art. Strong emphasis will be placed on creative problem solving, visual concepts, and refining technical skills in a wide range of two-dimensional media. Instruction will be focused on helping students interpret and develop thematic subjects in their own personal style. This course may be repeated for credit and has a weighted grade option. Lab fee of \$40 includes a hardbound sketchbook and miscellaneous supplies.

***IB VISUAL ARTS HL (1,2)**

Grades: 11, 12

Year: 1 credit

Prerequisite: Enrollment IB Diploma Program

(Course is taken over 2 years)

IB Visual Arts is an intensive, **two-year course of study**, combining both studio work and personal research that guides students to develop aesthetic, conceptual, technical, and cultural knowledge of the visual world that surrounds them. This course of study takes into account the cultural background and personal interests of the student, the location of the school, and the influences of indigenous cultures. Throughout the course, students will be provided the opportunity to develop a critical and intensely personal view of themselves in relation to their world. Students enrolled in this course may test at the Higher Level (HL) or Standard Level (SL) as a senior. The culminating event for the student is the IB Visual Arts exam that consists of an assessment of the student's studio work and research created over the two-year period. Lab fee of \$40 includes a hardbound sketchbook and miscellaneous supplies.

POTTERY / SCULPTURE 1

Prerequisite: None

Grades: 9, 10, 11, 12

Semester: ½ credit

This course is designed for the beginning student who has little or no experience working with clay or other three dimensional materials. Students will become familiar with the various tools and equipment used by potters and sculptors. Students will be introduced to many ceramic artists and understand their contributions to their medium. Included in the course will be a study of the origin of clay, pottery design, hand building techniques, glaze application, kiln firing, and beginning techniques of using the pottery wheel. **This course will satisfy the IB MYP Art requirement.**

INTERMEDIATE POTTERY / SCULPTURE

Prerequisite: Pottery 1

Grades: 10, 11, 12

Year: 1 credit

Intermediate Sculpture is designed for the student who has successfully completed and enjoyed Pottery 1. This course will focus on more in-depth learning associated with clay, glazing, and firing techniques. Students will experiment with projects that will be more demanding and have more depth of creative development. Students will be introduced to many ceramic artists and sculptors and their contributions to the medium. Students will experiment with advanced glazing techniques and styles. Lab fee of \$20 for materials. **This course will satisfy the IB MYP Art requirement.**

ADVANCED POTTERY / SCULPTURE

Prerequisite: Pottery/Sculpture 1 and Intermediate Pottery/Sculpture

Grades: 11, 12

Year: 1 credit

This course is designed for students who have taken the first two levels of Ceramics and Sculpture classes. The curriculum will involve students working toward more personal work developed at an exemplary level in both sculpture and ceramics. The teacher will work toward student-centered and idea-driven projects that help students explore a variety of materials, tools, techniques, and subject matter. Students will develop ideas through personal research and a variety of investigation methods. Lab fee of \$40.

***AP ART HISTORY**

Prerequisite: None

Grades: 10, 11, 12

Year: 1 credit

Designed for the motivated, college bound student, AP Art History is a survey of the history of art throughout the world. Students will study the cross-cultural evolution of artistic styles and traditions in painting, sculpture, and architecture while gaining an awareness of how art both stimulates and reflects human behavior. Students will have the opportunity to gain college credit by taking the AP Art History exam in May.

PHOTOGRAPHY / DIGITAL MIXED MEDIA

Prerequisite: Drawing/Painting 1 AND/OR Drawing/Design 1 OR Instructor Approval

Grades: 10, 11, 12

Semester: ½ credit

Photography/Digital Mixed Media will cover basic information for students interested in digital photography. This course will explore digital photography as well as Adobe Photoshop as an artistic tool. Students will be required to purchase and use a sketchbook throughout the course both as a classroom tool and a record of their experimentation and growth in the course. **This course will satisfy the IB MYP Art requirement.**
Lab fee of \$40.

Note: 9th graders may take this course with a Teacher Recommendation.

FOUNDATIONS OF ART

Prerequisite: Teacher Recommendation ONLY

Grades: 10, 11, 12

Semester: ½ credit

A Unified Art class specifically designed for students who benefit from a modified curriculum with an emphasis on those with special needs. The opportunity for a limited number of student assistants is available through teacher recommendation only. Student assistants will receive Visual Art elective credit with enrollment in this class.

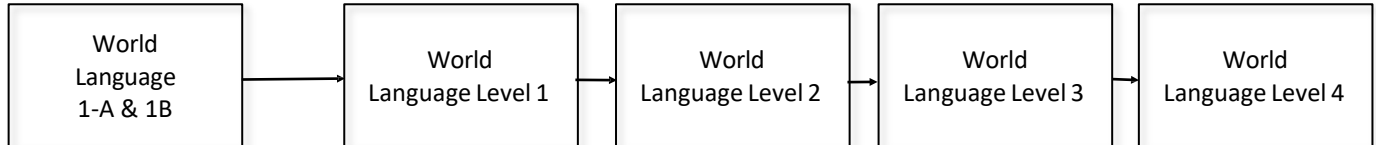
WORLD LANGUAGE

The following World Languages are offered at Smoky Hill HS: **Japanese, Latin, American Sign Language, and Spanish.** Any student may choose to start any language at Level 1 regardless of year in school.

STANDARD

Middle School

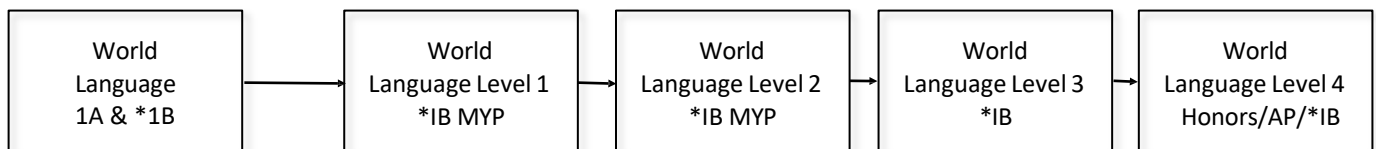
9th-12th



ADVANCED

Middle School

9th-12th



- **Middle School Students:** In order to continue in a World Language class, you need a teacher's recommendation and must have successfully completed levels 1A and 1B.
- Students who have had significant exposure to the Spanish language at home (heritage or native speakers) may enroll in the Native Speakers class (see course descriptions).

GUIDELINES FOR SELECTING WORLD LANGUAGE COURSES

World Languages offered at Smoky Hill include: **Japanese, Latin, American Sign Language, and Spanish.** Some colleges/universities have a World Language requirement, some recommend a World Language and some have no recommendation at all. It is important to check with your counselor to determine what you may need.

A working knowledge of the languages and cultures of other nations is a prerequisite for anyone interested in inter- national business or government. World Language, along with technology, is a key skill needed for success in the 21st century and; therefore, important for everyone.

Students satisfactorily completing a Level 5 World Language Course will receive elective credit.

American Sign Language 1 & 2

Grades: 9, 10, 11, 12 :

Year: 1 credit

Prerequisite: None for level 1, Level 1 must be taken for Level 2

American Sign Language (ASL) is a unique, visual language with its own grammar, structure, and rules. This course is designed to develop the fundamentals of communicative competence in ASL's receptive and expressive skills with speed, clarity, and fluency. Students learn to communicate about themselves and their immediate environment by using ASL vocabulary, idioms, fingerspelling, simple phrases and expressions, non-manual signals, and gestures. In addition, this course will introduce students to the distinct aspects of deaf culture. ASL 1 offered 24-25 school year. ASL 2 offered 25-26 school year. **This course can be taken as the IB MYP Program language acquisition course during their freshman and sophomore years. IB students will have to switch to an Ab Initio Diploma Level language for their junior and senior years for testing purposes.**

***JAPANESE 1 HONORS / IB MYP**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: None

This course provides an introduction to the language and culture of Japan. It focuses on listening, speaking, reading, and writing comprehension skills as well as various aspects of Japanese culture. Students will learn the sound system associated with the hiragana syllabus chart and how to read katakana syllabus in addition to recognizing a few kanji. Films, guest speakers, and field trips add to the classroom experience. The goal of this course is to meet the needs of survival level communication.

***JAPANESE 2 HONORS / IB MYP**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Japanese 1

This is a continuation of Japanese 1 with more extensive practice in listening, speaking, reading, and writing comprehensions. Approximately 20 kanji are introduced. The goals of this course are to prepare students to have simple daily conversations and to understand and produce short essays and letters.

***JAPANESE 3 HONORS / IB**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Japanese 2

This is a continuation of Japanese 2 with emphasis on advanced conversation, grammar, and composition. One hundred new kanji are introduced. The goals of this course are to prepare students to have extended discourse on selected topics and to understand and produce essays and letters on selected topics.

***JAPANESE 4 HONORS / IB**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Japanese 3

This course refines the previously learned skills in Japanese 1, 2, and 3. The emphasis will be on grammar, composition, reading, speaking, and listening comprehension in more challenging situations. This course is also designed to prepare the student to take the International Baccalaureate ab initio exam in Japanese.

***JAPANESE 5 HONORS / IB**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Japanese 4 Honors

This class will focus on intensive preparation for International Baccalaureate ab initio exam in Japanese. This course is also designed for students who are not in IB to enrich vocabulary and learn advanced grammar to improve current speaking, writing, and reading skills. A wide variety of authentic materials will be used in the classroom.

***LATIN 1 HONORS / IB MYP**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: None

Latin is the mother of five important languages (Spanish, French, Italian, Portuguese, and Romanian) of Europe and the Western World. It is also a great contributor to modern English. It is especially useful for students of law, medicine, pharmacy, and theology as well as for students of philosophy, literature, history, archaeology, and medieval studies. In Latin 1, emphasis is placed on vocabulary, syntax, translation, word derivations, and Greek and Roman culture. The practical application of Latin and its everyday usefulness are stressed.

***LATIN 2 HONORS / IB MYP**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Latin 1

Vocabulary, syntax, and word derivations continue to be emphasized as well as fluidity in translations. Instruction in Roman culture, history, and mythology will continue as well.

***LATIN 3 HONORS / IB**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Latin 2

This is a continuation of Latin 2 with greater emphasis placed on translation of authentic Latin texts. Vocabulary acquisition, grammar, and use of rhetorical and poetic devices will be the focus. Cultural and historical information will be presented as it relates to the readings.

***LATIN 4 HONORS / IB**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Latin 3

This course is designed to prepare the student to take the International Baccalaureate exam in Latin. Students who are not in the IB program may sit for the exam and qualify for a certificate in Classical Languages, which offers the same university credit as an AP exam. The topics for this course include part of both the prose and poetry works by late Republic and early Empire authors such as Ovid, Vergil, Horace, and Catullus.

SPANISH 1

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Command of English

Spanish is the second most spoken language in the USA. This class emphasizes vocabulary for everyday life: food, shopping, sports, travel. The student will learn the basic skills of the language as well as gain great insight into the diversity of culture in Spanish-speaking countries using authentic materials. This class requires extensive listening, memorization, writing, speaking, and spelling in the target language. Students will be required to do regular homework and prepare for evaluations. This class is required as a base for all upper levels of this language.

***IB MYP SPANISH 1**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Teacher Recommendation

Spanish is the second most spoken language in the USA. This class is designed to prepare students for the IB Diploma Programme. It emphasizes vocabulary for everyday life: food, shopping, sports, travel, and reading comprehension. The student will learn the basic skills of the language as well as gain great insight into the diversity of culture in Spanish-speaking countries using authentic materials. This class requires extensive listening, memorization, writing, speaking and spelling in the target language. Students will be required to do regular homework and prepare for evaluations. This class is required as a base for MYP and IB upper levels of this language.

***IB MYP SPANISH 2**

Grades: 9, 10

Year: 1 credit

Prerequisite: MYP Spanish 1 AND Teacher Recommendation

Students will continue to improve their ability to communicate in Spanish. This class builds on the skills acquired in MYP Spanish 1 and provides students with a broader vocabulary and grasp of the mechanics of the language using authentic materials. This class requires extensive comprehensive reading, listening, memorization, writing, speaking, and spelling. Students will be required to do regular homework and prepare for written and oral evaluations.

SPANISH 2

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Spanish 1 AND Teacher Recommendation

Students will continue to improve their ability to communicate in Spanish. This class builds on the skills acquired in Spanish 1 and provides students with a broader vocabulary and grasp of the mechanics of the language using authentic materials. This class requires extensive listening, memorization, writing, speaking, and spelling. Students will be required to do regular homework and prepare for evaluations.

SPANISH 3

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Spanish 2 AND Teacher Recommendation

Students should consider Spanish 3 as a minimum for learning a second language. This course is a continuation of the Spanish 1 and 2 series. Students will continue to fine-tune acquired skills and expand their knowledge by learning more vocabulary and strengthening their grammatical base. The students will be expected to communicate ideas through spoken and written Spanish. This class requires extensive listening, memorization, writing, speaking, and spelling using authentic materials. Students will be required to do regular homework and prepare for evaluations.

SPANISH FOR NATIVE SPEAKERS

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Being a native or heritage speaker AND Teacher Recommendation

This intensive course will help you to expand and improve knowledge and experience of Spanish as a native language. The focus of the class will be on the academic aspects of the language and the improvement of reading and writing skills. Students will also learn and refresh vocabulary and grammar working extensively on reading, writing, listening, and speaking academic Spanish. The class is entirely in Spanish and the students will be required to do daily homework and be prepared for evaluations. Depending on the student's achievement, students could repeat this class for a second year and earn double credit or continue to IB Spanish 4 or AP Spanish Language and Culture class with teacher approval.

***IB SPANISH 3**

Grades: 9, 10, 11

Year: 1 credit

Prerequisite: IB MYP Spanish 2 with a grade of "C" OR higher AND/OR Teacher Recommendation

This class is the first step for the Spanish IB Exam preparation. Students will continue to fine-tune acquired skills and expand their knowledge by learning more vocabulary and strengthening their grammatical base. The students will be expected to communicate ideas through spoken and written Spanish. This class requires extensive listening, memorization, writing, speaking, and reading comprehension using authentic sources. Students will be required to do regular homework, work on cultural projects, and prepare for evaluations.

SPANISH 4

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: Spanish 3 AND Teacher Recommendation

This course refines the previously learning skills in Spanish 1, 2 and 3. The student will be expected to communicate ideas through spoken and written Spanish at an advanced level. It contains a thorough grammar review through the study of authentic sources. The course is conducted entirely in Spanish. Spanish 4 does not provide students with the basic skills to continue to AP Spanish 5.

***IB SPANISH 4 (SL)**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: IB Spanish AND Teacher Recommendation

This class prepares students for IB Spanish Exam (SL). The students will be expected to communicate ideas through spoken and written Spanish at an advanced level. It contains a thorough grammar review through the study of authentic sources. Students will be exposed to samples of the Internal and External Assessments. The course is conducted entirely in Spanish. IB Spanish 4 provides students with the basic skills to continue to AP/IB Spanish 5. Only juniors and seniors are allowed to take the exam at the end of the course.

***AP SPANISH LANGUAGE AND CULTURE**

Grades: 9, 10, 11, 12

Year: 1 credit

Prerequisite: IB Spanish 4 or Spanish for Native Speakers AND Teacher Recommendation

This course is a preparation for the AP Spanish Language and Culture exam. It is designed to enrich vocabulary, reading comprehension, and provide a forum for speaking and writing at an advanced level. It contains a thorough grammar review through the study of authentic sources and extensive oral discussion. The class is conducted entirely in Spanish. This class will continue to provide preparation for IB students who did not meet the requirements for testing in IB Spanish.

***AP SPANISH LITERATURE AND CULTURE**

Grades: 11, 12

Year: 1 credit

Prerequisite: AP Spanish Language and Culture AND Teacher Recommendation

This course prepares students to take the AP Spanish Literature and Culture exam in the spring. The AP Spanish Literature course is designed to meet the requirements of a third-year college introduction to Hispanic Literature classes. This course is conducted in Spanish. Students will read and analyze a variety of authors, genres, periods, and themes in the literature from Spain and Latin America.

SPANISH AB INITIO (SL)

Grades: 11, 12

Year: 1 credit

Prerequisite: IB Diploma student with **no previous language experience** OR concurrent enrollment in Japanese, or Latin.

This is a two-year course for incoming IB Diploma students who have **no previous language experience** or who are interested in studying an **additional** language for their 6th subject option. The course will prepare students to sit for the Spanish ab initio (SL) exam in the senior year.

ONLINE LEARNING



CHERRY CREEK ELEVATION

<https://www.cherrycreekschools.org/Elevation>

Cherry Creek Elevation is Cherry Creek School District's online and blended learning school, serving students in grades 6-12. Cherry Creek Elevation offers many courses in various subject areas that students can take at no cost while remaining enrolled at Smoky Hill High School. For a full list of courses and information on how to apply, please visit the Course Registration Guide and Apply for Enrollment at <https://www.cherrycreekschools.org/elevation>.

Students Served

Students in grades 6-12, who reside in Cherry Creek School District, can enroll as a full time or part-time student. Part-time students can enroll as long as they are enrolled at their neighborhood CCSD school full time. Our students are typically independent learners who are motivated to earn a diploma, they are good at time management, and are able to advocate for themselves.

Programming Options

Full-Time: Students who enroll for full-time programming at Cherry Creek Elevation will maintain a full-time course load (5 or more classes online) with us. This programming option focuses on promoting growth for students who have demonstrated previous academic success (in online or traditional settings) and provides targeted and personalized support for all students, including those who may have struggled in the past. Students who meet the CCSD graduation requirements will receive a diploma from our school.

Part Time: Our hybrid model allows students to take up to 2 classes through our school while maintaining a full-time schedule at their neighborhood CCSD school.

What is the application process?

Enrollment information and applications will be found on our website. Enrollment occurs continuously, however, students enrolling past the first week of any grading period may have limited course options and/or will have reduced time to complete courses. Enrollment for both full and part-time students begins with an application. Additionally, full-time students will also complete a learner profile, orientation, and interview before enrollment will be offered.



The below CTE Districtwide courses are available to all Cherry Creek School District students and take place at various locations. The registration process for CTE Districtwide courses vary. Please see the course descriptions for more information.

Cosmetology

Cosmetology I

Grade: 11, 12

Concurrent/Dual Enrollment: Multiple opportunities available

Location: Colorado's Finest High School of Choice in Englewood

Year: 6.0 credit

Prerequisite: N/A

Estimated Course Fees: \$650 and cost of uniform scrubs

This course takes place at Colorado's Finest High School of Choice in Englewood. Students are responsible for their own transportation. The Cosmetology program is a robust program that will prepare you to provide beauty services such as shampooing, cutting, coloring, styling, facials, manicures and pedicures. To be considered for this program, you must attend a parent meeting and orientation, as well as be on track to graduate in terms of credit hours. After applying, you will be contacted with more information. Multiple Concurrent Enrollment opportunities are available in this course. More information will be provided by the instructor. Course begins approximately August 15, 2024. The \$650 course fee includes cosmetology kit (used 1st and 2nd year; student keeps at completion of program), and consumables. Students will be responsible for purchasing uniform scrubs for the program. Anticipated session times: Option 1: Monday - Friday Morning Session (7:30 - 11:30am) OR Option 2: Monday - Friday Afternoon Session (12:00 - 4:00pm).

**Summer session runs during the month of June and is required in order to enroll in Cosmetology II. Dates are to be determined, Monday - Thursday from 7:30am - 5:30pm.

To register for this course, scan the QR Code at the top of the page or visit www.cherrycreekschools.org/Page/11161 and click on the link for the CCIC Application.

Cosmetology II

Grade: 12 Year:

6.0 credit

Estimated Course Fees: \$75

Concurrent/Dual Enrollment: Multiple opportunities available and cost of uniform scrubs.

Prerequisite: Successful completion of Cosmetology I & Summer Session

Location: Colorado's Finest High School of Choice in Englewood

This course takes place at Colorado's Finest High School of Choice in Englewood. Students are responsible for their own transportation.

Cosmetology II

is a certificate program requiring 1,500 hours which equals 50 credits in cosmetology, hairstyling, nail technology and esthetics. Students will learn theory, practice in hair care, cuts, color, perms, styling, nail technology and skin care. Students are prepared for supervised clinical practice and entry-level jobs in the cosmetology field. Students also explore career pathways, post-secondary options and career research techniques such as application preparation, resume/letter writing, and interviewing process. This program prepares students to pass the state-licensing exam given by the

Department of Regulatory Agencies Office of Barber and Cosmetology (DORA). Multiple Concurrent Enrollment opportunities are available in this course. More information will be provided by the instructor. Course begins approximately August 15, 2024. The \$75 course fee includes consumables.

Students will be responsible for purchasing uniform scrubs for the program. Anticipated session times: Option 1: Monday - Friday Morning Session (7:30 - 11:30am) OR Option 2: Monday - Friday Afternoon Session (12:00 - 4:00pm).

To register for this course, scan the QR Code at the top of the page or visit www.cherrycreekschools.org/Page/11161 and click on the link for the CCIC

Application.

Esthetics

Grade: 12 Year: 5.0 credit Estimated Course Fees: \$350 and cost of uniform scrubs

Concurrent/Dual Enrollment: Multiple opportunities available Prerequisite: N/A

Location: Colorado's Finest High School of Choice in Englewood

This course takes place at Colorado's Finest High School of Choice in Englewood. Students are responsible for their own transportation.

Estheticians,

also called skin-care specialists, strive to make their clients look and feel younger and more attractive. They cleanse and beautify skin with facials and

full-body treatments, apply makeup, remove facial or body hair with hot wax, give head and neck massages and may, with special training, perform microdermabrasion to remove imperfections and signs of age. Students are required to sell skin care products like those who run their own shops as

entrepreneurs, involved in all phases of business management and marketing. To be considered for this program, you must attend a parent meeting and

orientation, as well as be on track to graduate in terms of credit hours. After applying, you will be contacted with more information. Multiple

Concurrent

Enrollment opportunities are available in this course. More information will be provided by the instructor. Course begins approximately August 15, 2024.

The \$350 course fee includes: esthetics kit (student keeps at completion of program) and consumables. Students will be responsible for purchasing uniform scrubs for the program. Anticipated session time is Monday-Friday, 12-3:30PM.

Future Educator

The Future Educator Pathway is a CTE Pathway that includes innovation, dual enrollment course work, and an apprenticeship in a CCSD elementary school. University of Colorado at Denver (UCD) dual enrollment coursework counts directly towards a postsecondary teaching degree. Courses follow the hybrid model combining asynchronous and synchronous learning. For additional Future Educator Apprenticeship information, please see "Future Educator Apprenticeship" under the "Work-based Learning" section in the CTE District wide Course Guide. For more information about this program, please check the Cherry Creek Schools CTE website for schedules and links to upcoming informational sessions at www.cherrycreekschools.org/cte.

Future Educator - Year 1

Students will select "Future Educator - Year 1" in the CTE/CCIC Application and be automatically enrolled in the following courses:
Grade: 11, 12 Year: 2.0 credits (each course 0.5) Estimated Course Fees: may be applicable
Concurrent/Dual Enrollment: 12 credit hours total Prerequisite: N/A
Location: Hybrid

EDHD 1030 - Early Ed Field Experience

Working within the community to support children's learning requires competencies explored in this course. The experiences of seminar, paired with working at a local school or community-based context, will help students develop theoretical grounding as a community based educator. This course requires the student to be placed at a CCSD elementary school for observation hours. Students will be required to provide their own transportation to and from observation hours.

STEM 1000 - STEM Methods

This course provides an overview of STEM practices and philosophies in PK-12 education. STEM trends, foundations of practice, and resources are examined.

LCRT 2000 - Rebels, Villains, & Superheroes: How Children's Literature Shapes Our Identities

This course explores both classic and contemporary children's and adolescent literature and media in traditional and digital texts, specifically focusing on developing literary understandings, exploring perspectives and personal responses to literature, and inquiring into trends and issues.

HDFFR1010 - Life Span Development in Ecological Settings

This course is designed to introduce students to human development in ecological settings in particular family, school and community contexts as it occurs across the lifespan, including emotional, physical, and cognitive development, and emphasizes personal adjustment and achievement.

Future Educator - Year 2

Students who have successfully completed Future Educator - Year 1 courses, will select "Future Educator - Year 2" in the CTE/CCIC Application and be automatically enrolled in the following courses:
Grade: 11, 12 Year: 2.0 credits (each course 0.5) Estimated Course Fees: may be applicable
Concurrent/Dual Enrollment: 12 credit hours total Prerequisite: N/A
Location: Hybrid

CLDE 1000 - Language, Power, & Identity

This course explores the relationship between language, identity, and power in various international contexts. The course considers how legacies of inequality for particular communities are reflected in societal attitudes about languages and language users and subsequent language planning.

SPED 1030 - Understanding (dis)Ability in Contemporary Classrooms

This course provides an overview of special education by examining the history of special education, construction of dis/ability, characteristics of individuals with disabilities, aspects of disproportionality, and introduction to evidence-based instructional practices.

SPED 1400 - Universal Design for Learning

This course will introduce Universal Design for Learning (UDL), an important, contemporary educational philosophy, with an emphasis in a set of principles & techniques that focus on strategies and tools to help ALL students by accommodating their differences in inclusive classroom settings. Candidates will also be exposed to foundational information about children with disabilities who are included in today's classroom.

INTE 2000 - Digital Teaching and Learning

Survey of technology for: (1) your own learning, informally and in classes; (2) your students' learning when you become a teacher; and (3) sharing with peers and colleagues. Use tools to address problems of equity, access, and learning needs.

Work-Based Learning

The Cherry Creek School District Work-Based Learning program is designed to connect students with career pathways of interest by partnering with businesses in the community. Through these experiences, students will have the opportunity to explore career pathways and develop career readiness skills.

Career and Technical Education (CTE) Internship

Semester: 1.0
Estimated Course Fee: Summer School Fees Only
Length: 100 Internship hours during Fall, Spring or Summer Semester
Grade: 12
Concurrent/Dual Enrollment: N/A
Location: Based on Internship

The CTE Internship program will provide an opportunity for selected students to have experience in a career field that they would like to pursue after graduation. An internship is a form of firsthand learning that integrates knowledge and theory learned in the CTE classroom with practical application and skill development in a professional setting. This work/learning arrangement is overseen by the Work-Based Learning Instructor for CCSD. Within the internship, students can expect to do various work assignments, attend meetings, and complete projects. Professional success also depends on the level of student's maturity, responsibility and reliability. Internships can be paid or unpaid depending on the sponsoring company. Transportation is the responsibility of the student. This program is selective. To apply, the student must have taken a CTE course in the pathway they are pursuing. Students must apply and interview and be selected for an available CTE Internship. The student will then be enrolled in the course. Applications for CTE Internship will be open during the second semester. Information on unique applications for each job will be available on the Cherry Creek School District Work-Based Learning page: <https://www.cherrycreekschools.org/domain/6101>; (or scan the QR code above). After applying, the Work-Based Learning team will follow up with next steps.

Apprenticeship - Year 1

Year: 2.0 credit Estimated Course Fee: N/A

Length: 12-16 hours per week

Grade: 11, 12

Concurrent/Dual Enrollment: N/A

Location: Based on Apprenticeship

Through CCSD Apprenticeships, students earn a wage while receiving hands-on work experience where they can apply their high school CTE classroom learning each week. All apprenticeships take place during part of the school day while also taking courses needed for graduation. An apprenticeship lasts between 2-to-3 years to ensure that students have the experience to either enter the workforce upon completion and pursue relevant higher education if necessary to meet their career goals. All CCSD Apprenticeships begin during junior or senior year and span 1-to-2 years

after graduation. This course is for first year apprentices who are hired into a CCSD Apprenticeship during their junior or senior year. Cherry Creek School District works collaboratively with industry partners each year to bring in new apprenticeship opportunities in CTE Pathways. In addition to the

onsite apprenticeship, students will be responsible for attending seminars and completing weekly online activities throughout the duration of their apprenticeship. Eligibility depends on the application and interview process, in accordance with the student's maturity, reliability, commitment, and graduation status. Transportation is the responsibility of the student (free monthly RTD passes are available). This program is selective. Additional application materials and an interview are required.

Applications for CCSD Apprenticeship opportunities will be open during the second semester. Information on unique applications for each job will be

available on the Cherry Creek School District Work-Based Learning page: <https://www.cherrycreekschools.org/domain/6101> (or scan the QR code above).

After applying, the Work-Based Learning team will follow up with next steps.

Apprenticeship - Year 2

Grade: 11, 12 Estimated Course Fee: N/A

Concurrent/Dual Enrollment: N/A

Year: 3.0 credit

Length: 16-20 hours per week

Location: Based on Apprenticeship

This course is for Apprentices as they continue the second year of their CCSD Apprenticeship. Current CCSD Apprentices will be given specific instructions from the Work-Based Learning team to register for this course.

Future Educator Apprenticeship

Students in the Future Educator Pathway have the opportunity to be a Future Educator Apprentice (see Future Educator Pathway above - Year 1 & 2

courses for course descriptions). As an apprentice, students earn valuable experience and work hours in the Education Pathway working as a paraprofessional in an elementary school within Cherry Creek School District. Students can earn college credits, wages, additional certification, classroom hours, and access to a professional network. In addition to the onsite apprenticeship, students will be responsible for attending seminars and

completing weekly online activities throughout the duration of their apprenticeship. Transportation is the responsibility of the student (free monthly RTD

passes are available).

Please see Future Educator Pathway course information (above) for students to register for Future Educator Pathway Year 1 or Year 2; students will

indicate interest in being an apprentice in the application after selecting Future Educator Pathway Year 1 or Year 2 courses.

Automotive Technician Apprenticeship - Year 1

Grade: 11, 12 Year: 2.0 credit Estimated Course Fee: N/A

Concurrent/Dual Enrollment: N/A Length: 12-16 minimum work hours per week

Prerequisite: Automotive Technology I or similar demonstration of skill, Automotive Technology II recommended

Location: CCSD Transportation Department

The Automotive Technician Pathway Apprenticeship is offered by CTE in collaboration with our CCSD Transportation department. As an apprentice,

students earn valuable experience and work hours in the Automotive Service pathway. Job duties include: assisting the vehicle maintenance department

in beginning level inspection and maintenance and repairs on District equipment, vehicles and school buses. Students will earn wages and access to a

professional network. In addition to the onsite apprenticeship, students will be responsible for attending seminars and completing weekly online activities

throughout the duration of their apprenticeship. Transportation is the responsibility of the student (free monthly RTD passes are available). This program

is selective. Additional application materials and an interview are required.

Applications for CCSD Apprenticeship opportunities will be open during the second semester. Information on unique applications for each job will be

available on the Cherry Creek School District Work-Based Learning page: <https://www.cherrycreekschools.org/domain/6101> (or scan the QR code above).

After applying, the Work-Based Learning team will follow up with next steps.

Automotive Technician Apprenticeship - Year 2

Year: 3.0 credit Estimated Course Fee: N/A

Length: 12-16 minimum work hours per week

Grade: 12

Concurrent/Dual Enrollment: N/A

Prerequisite: Automotive Technician Apprenticeship - Year 1

Location: CCSD Transportation Department

This course is a continuation of the Automotive Technician Apprenticeship - Year 1 and provides additional experience working with the CCSD Transportation department.

Current CCSD Apprentices will be given specific instructions from the Work-Based Learning team to register for this course.