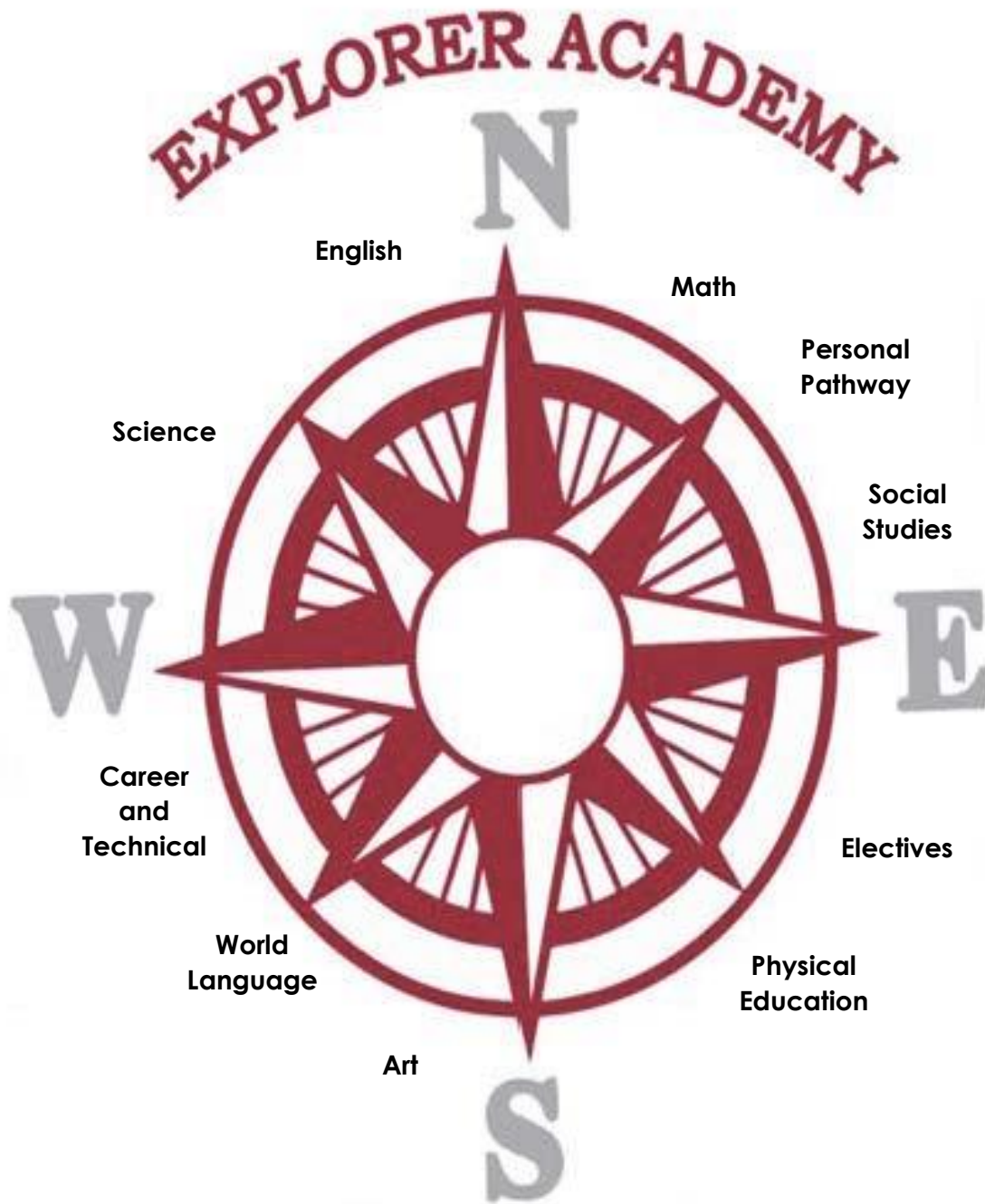


2022/2023 Course Catalog





Explorer Academy Administration

Paul Hulbert, *Principal*

Explorer Academy Advisors

Jeff Bruce..... 9th grade

Eric Delacorte..... 10th grade

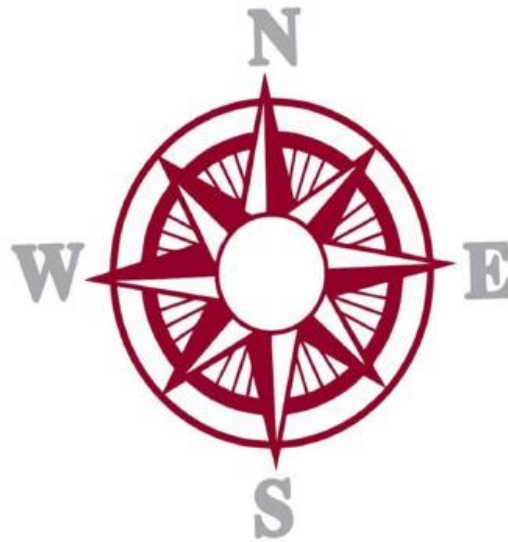
Stephanie Combs.....11th grade

Shari Carragher..... 12th grade

LJ Piper..... Hope Academy

Victoria Kelley..... Hope Academy

Kathy Hamill..... Counselor



Tim Winter, *Superintendent*

South Kitsap School District Board of Directors

Jeffrey Wilson, President

Kate Espy

John Berg

Jeff Daily

Brian Pickard



Academic Classes Required for Graduation

Subject	Minimum Requirements For Explorer Academy Diploma <i>Class of 2022 and Beyond*</i>	*Minimum Requirements for public, four-year colleges and universities	*Recommended courses for highly selective colleges and universities
English	4 credits	4 credits	4 credits
Math	3 credits**	3 credits**	3-4 credits**
Science (at least 1 lab science)	3 credits (at least 2 Lab Science)	2 credits*	3-4 credits*
Social Studies	3 credits†	3 credits	3-4 credits
World Languages	2 credits ++	2 credits	3-4 credits
The Arts	2 credits (1 credit++)	1 credit	2 -3 credits
P. E.	.5 Health Credit 1.5 PE credits	<p>* Universities require math or math-based science to be taken in the senior year.</p> <p>** Must be Advanced Algebra or higher or unless a tailored career math course is approved.</p> <p>† <i>Class of 2024 and Beyond</i> Social Studies credits must include: .5 credit Contemporary World History, Government, or Politics .5 credit Civics 1 credit U.S. History 1 credit Social Studies elective</p> <p>+ All Explorer Academy students must complete the Washington State History requirement by the end of their senior year - it is not a credit-bearing course and is first offered during 7th grade.</p> <p>++ Students may substitute classes that meet their Personalized Pathway. Contact counselor for paperwork.</p>	
Career & Tech. Classes	1 credit		
Electives	4 credits		
Totals	24 credits		



Additional Graduation Requirements

Students need a solid foundation of reading, Writing, mathematics, and science skills for their plans after high school. Several statewide graduation requirements help ensure that students have this foundation to Career and/or College ready.

1. Each individual student will develop their High School and Beyond Plan, (HSBP).
2. Student will demonstrate their readiness to enter a post-secondary career or attend further training, i.e. college, military, apprenticeship, or technical programs.

Student's Goal: 1st Year After Graduation		Graduation Pathways: Class of 2020 and Beyond	
HSBP	Career/Technical Field (Additional postsecondary education/training, technical college, apprenticeship, or workforce entry)	Graduation Pathway	Complete sequence of CTE courses which includes the potential to earn college credit or earn an industry recognized credential*
	Military Enlistment		ASVAB Score*
	General Postsecondary Education (Two- or four-year college)		Smarter Balanced HS Assessment or WA-AIM (ELA and/or math) SAT or ACT scores on ELA and/or math sections Earn College Credit in ELA and/or math Transition Course in ELA and/or math AP/IB/Cambridge Courses or Exams in ELA and/or math Combination of ELA and math option from any of the General Postsecondary Education Pathways

***Note:** Students who pursue these pathways (ASVAB or CTE) do not need to meet English and math requirements separately. English and math content are embedded in both pathways, and a student who meets either the ASVAB standard or the CTE pathway requirements has met the graduation pathway requirement. Student's High School and Beyond Plan must be aligned with the Military (ASVAB) or the CTE Pathway (CTE) used to satisfy graduation requirements with these respective options. Check with your student's counselor for more information.

*Note: Students who pursue these pathways (ASVAB or CTE) do not need to meet English and Math requirements separately. English and math content are embedded in both pathways, and a student who meets either the ASVAB standard or the CTE pathway requirements has met the graduation pathway requirement.



Name: _____

Advisor: _____

Grade Level: _____

MY PERSONALIZED PATHWAY WORKSHEET

What is a Personalized Pathway?

- A sequence of courses intentionally chosen by you, that prepare you to meet your graduation requirements and specific post-high school career or educational goals and is meaningful and realistic.
- Created in collaboration between you, your parent/guardian, and school counselor or administrator.
- An additional 1.0 Arts and 2.0 World Language credits are required, unless replaced by "Personalized Pathway" courses you choose in your 4-year course plan based on your career interest and educational goals.

My personalized career pathway is _____

1. For my Personalized Pathway courses, based on my career interests and educational goals, I plan to take these courses to meet my graduation requirements:

Required Course (0.50 semester credit/course)	Substituted Course
The Arts	
The Arts	
World Language	
World Language	
World Language	
World Language	

2. How does my career interest connect with the courses I am taking or plan to take?

***I understand that university entrance requirements may not be met if I do not take enough World Language or Arts credits, and this could disqualify me from university eligibility. I will verify entrance requirements with the school(s) to which I plan to apply.*

Parent Signature: _____

Date: _____

Student Signature: _____

Date: _____

School Official: _____

Date: _____



Vocational/Technical College or 2 Year Community College

- High School diploma
- School-specific placement exam

See individual school catalogs for specific requirements.

Also visit: checkoutacollege.com

4 Year College/University Requirements

(Public Baccalaureate Colleges & Universities – State of Washington)

High School Diploma

English (Literature & Composition).....	4 Credits
Mathematics (Algebra, Geometry, Adv. Algebra, Trigonometry).....	3 Credits
Lab Science.....	2 Credits
Social Studies.....	3 Credits
World Language (Must be the same language).....	2 Credits
Fine, Visual and Performing Arts.....	1 Credit**

*Must take math-based quantitative course senior year (additional math, chemistry, physics)

** Some courses that meet the art graduation requirement do not fulfill the arts requirement for college/ university entrance

Must also earn a minimum of three College Academic Distribution Requirement (CADR) Credits in grades 10-12 (English, Math, Science, World Language, Social Studies, or Art).

Minimum 2.0 GPA for admission

NOTE: See individual college catalogs and/or websites for specific admission requirements

U.S. Military

- High School Diploma
- ASVAB Exam (must meet minimum score requirements)
- Pass Pre-Military Physical

Contact our local recruiting office for specific requirements

Work force / Apprenticeships

- High School Diploma
- Industry Certification
- On – The – Job Training
- Volunteer/Community Service Suggested

Visit your school counselor for more information on these options



Arts & Communications

CREATORS - students who prefer dealing with IDEAS and PEOPLE and enjoy EXPRESSING their own feelings and ideas in new and different ways through dance, music, art, design, language, literature, and other creative outlets.

Business & Marketing

ORGANIZERS AND PROMOTERS - students who prefer the operational aspects of business such as working with DATA, TAKING CARE OF DETAILS, keeping things in order, following rules and procedures, and being practical

Engineering, Manufacturing, & Industrial Technology

DOERS AND PLANNERS—students who prefer working with THINGS and enjoy ACTION, using tools, machinery and equipment, working with their hands, seeing the results of their work, and often having mechanical, physical, or athletic abilities

Health & Human Services

HELPERS—students who enjoy and prefer to work with PEOPLE, helping them with their problems, being of service, and doing things for people to contribute to their health and wellness

Science & Natural Resources

THINKERS AND INVESTIGATORS—students who prefer dealing with IDEAS and THINGS and enjoy SOLVING PROBLEMS using their minds; dealing with facts and information, and often having ability in math and science.

High schools in our state are expected to increasingly engage students to connect high school learning to applications in the real world and require that each student has a plan for the year after graduation. These plans include many options:

- **Community College**
- **4-year college**
- **Technical College**
- **Specialty Schools Apprenticeships**
 - **Military**
- **On-the-Job Training**

To assist students to be engaged in their educational planning the following have been implemented as part of the high school graduation requirements.

- **High School and Beyond Plan**
- **Pathway focus**

Parental support is important. Students who have parents/guardians who are actively involved in their academic careers and planning for the future have a better chance for success during high school and with their post-high school plans.

High School and Beyond Plan

All students will have a High School and Beyond plan for their four years of high school and for the year after high school. The plan offers the flexibility to explore areas of interest, but with a future goal in mind. It should help students understand what they are learning, why they are learning, and how can they use this learning in their future. You can further define your High School and Beyond Plan by following a Program of Study and taking specific high school courses which satisfy degree requirements at a college or university. A High School and Beyond Plan is required for all students. Components include:

- Identification of career goals aided by a skills and **career interest inventory assessment**.
- Identification of **educational goals** for graduation and beyond
- A **four-year high school course plan** with an individualized **personalized pathway** that fulfills graduation requirements and aligns with your career and educational goals, with information about dual credit programs and the College Bound Scholarship program
- By the end of 12th grade, a **current résumé or activity log**
- If you have not met standard on your state assessments, this plan must include **interventions and academic support, additional courses, or identification of an alternative pathway to graduation aligned with your post-secondary goals** that will enable you to meet the high school graduation requirements

Pathway

A pathway is a framework for an organized sequence of classes, experiences, and community- based activities, supporting students in career exploration and educational preparation. The pathway provides a framework for selecting classes related to their post-high school plans. These plans within a pathway are flexible and may change as students' progress through their high school experience, but students should consult their counselors to ensure they are on track to meet any desired college entrance requirements.



College and Career Testing Exams

Career Interest Inventories – The Career Center has many assessments available to help students explore future career options. We work closely with Mrs. Nass, Career Counselor at SKHS. Your counselor can introduce you.

ASVAB – The Armed Services Vocational Aptitude Battery is offered by the military free of charge! Students take the ASVAB if they are considering enlisting in the military, if they want more career information about themselves, or if they are college-bound and want more test-taking experience. The test is usually given in the winter and again in the spring at the high school.

Accuplacer – This is the placement test for Olympic College and other community colleges. It is an opportunity for all students to get feedback on Reading, Writing and Math readiness for college.

Advanced Placement Tests – Advanced Placement tests are available each May for students who have taken advanced placement classes. Those with certain test scores may earn college credit as determined by the college of the student's choice. This testing opportunity is highly recommended after completing AP courses. The testing fee is an additional responsibility of the students.

PSAT/NMSQT - The Preliminary Scholastic Aptitude Test/National Merit Qualifying Test is offered to freshman, sophomores, and juniors in October of each year. In junior year, the test is used to determine participation in the National Merit Scholarship Program. It is useful as practice for taking college admissions tests. The test is given once on a specific day in October. All 9th, 10th, and 11th graders will take the PSAT for no cost during the school day at the high school and will also receive a test preparation booklet.

SAT – The SAT College Admission Exam is a nationally administered college admissions test that may be required by specific colleges as a part of their admissions process. Specific scholarship programs, such as the National Merit Scholarship and NJROTC scholarships, use these results to determine eligibility. The test is administered several times, from August to June, and can be taken more than once if desired. We recommend that students take the SAT during the spring of their junior year. Registration materials are available in the Counseling and Career Offices. The student is responsible for applying and paying the applicable fee. Students may also register online at: www.sat.org/register. All 12th graders will take the SAT for no cost during the school day at the high school, in October of their senior year.

SAT Subject Tests – Subject tests may be required in addition to the SAT. Tests are offered in many different disciplines. Students are responsible for determining if achievement tests are required by the college of their choice. Students should check with the colleges by March of the junior year. Please visit the website: www.collegeboard.org for additional information.

ACT - The American College Test is another nationally administered test used by specific colleges and universities for admissions purposes. It is also used by some scholarship programs, but it cannot be used for the National Merit Scholarship. See comments regarding the SAT, for they also apply to the ACT. Register at: www.act.org.



Eligibility Center

Are you a college-bound student athlete?

NCAA Division I and II colleges and universities require that all prospective student athletes meet specific academic eligibility requirements.

To determine your eligibility, GO to the NCAA website for valuable information at the following website: <https://www.ncaa.org/sports/2021/2/10/about-what-we-do-academics.aspx#>

You must submit an application to the **NCAA Eligibility Center** at the end of your *junior year* at this address: www.web3.ncaa.org/ecwr3/

A student athlete's eligibility is based upon their GPA in core-course requirements and a minimum ACT/SAT score. To be eligible the student athlete must take the following core courses:

Division I

ENGLISH 4 years	NATURAL/ PHYSICAL SCIENCE (including one year of lab science, if offered) 2 years	MATH (Algebra I or higher) 3 years	SOCIAL SCIENCE 2 years	ADDITIONAL (English, math or natural/physical science) 1 year	ADDITIONAL (English, math, natural/physical science, social science, foreign language, comparative religion or philosophy) 4 years
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Division II

ENGLISH 3 years	NATURAL/ PHYSICAL SCIENCE (including one year of lab science, if offered) 2 years	MATH (Algebra I or higher) 2 years	SOCIAL SCIENCE 2 years	ADDITIONAL (English, math or natural/physical science) 3 years	ADDITIONAL (English, math, natural/physical science, social science, foreign language, comparative religion or philosophy) 4 years
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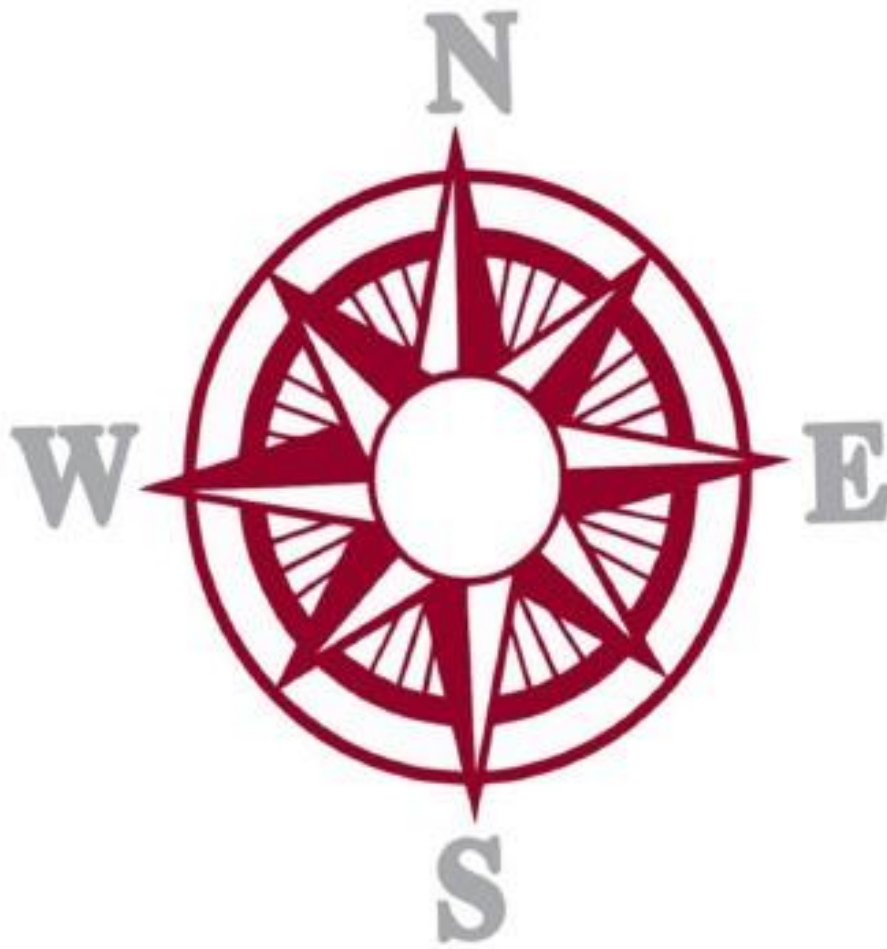
Complete 16 NCAA-approved core courses. Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school. **For Division I**, seven of the 10 core courses must be in English, math or natural/physical science, before your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA.

Grade-Point Average: A minimum of a 2.3 GPA for Division 1 or 2.2 for Division 2 is required.

Test Scores: Sliding scales are used to match ACT/SAT scores with your GPA to determine eligibility. See the above website for more information. *

It is highly recommended that student-athletes work closely with their counselor and Athletic Director in your District to ensure NCAA compliance.

Any classes taken as credit recovery will not qualify as a NCAA approved course.



Academic Course Offerings

Listing a course under a particular subject heading indicates that the course qualifies for meeting subject area requirements for graduation (some courses are specifically required by state statutes). In some cases, CTE courses are listed under more than one subject area. These CTE-equivalent courses can count towards two graduation requirements, one CTE, one academic. The course is placed on the student's transcript for credit and will be "checked off" as meeting that graduation requirement on their credit check. These are called **"Two for One credit"** courses and can be used to meet the graduation requirement. This does not reduce the number of credits required for graduation.

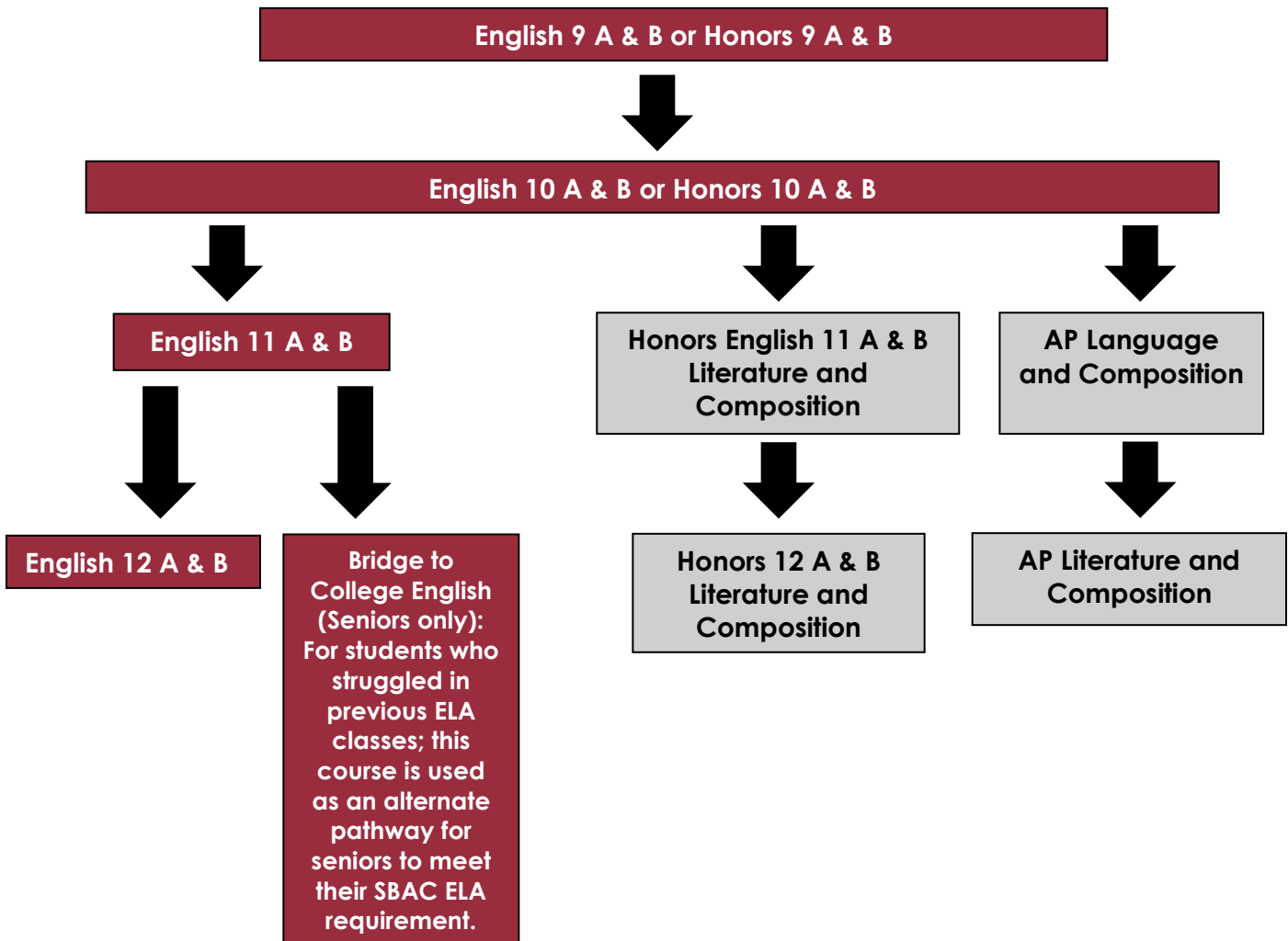
Success indicators are designed to ensure that the student has appropriate skills upon entering courses that require sequential skill development.



ELA RECOMMENDED SEQUENCE

Recommended by 4-year colleges

Required for Graduation / Required by 4-year colleges



9th GRADE COURSES

English 9A & 9B

Open To: 9

Credits: 1 / One Year

NCAA

Grad Req: 9th English

Classic and contemporary works of American, British, and world literature in a variety of genres are introduced in English 9. Students analyze short fiction, nonfiction, and poetry selections. Students also read and analyze novels and other major literary works. Reading and writing assignments strengthen students' understanding of literary elements in poetry, fiction, and drama; the characteristics of narrative, expository, and persuasive writing; correct grammar and usage; and research skills. The thematic units include works by Homer, Gabriel García Márquez, and Leslie Marmon Silko.



Honors English 9A & 9B

Open To: 9

Credits: 1 / One Year

NCAA

Grad Req: 9th English

This course uses the same curriculum as English 9 with (2) additional opportunities to enhance your writing skills.

10th GRADE COURSES

English 10A & 10B

Open To: 10

Credits: 1 / One Year

NCAA

Grad Req: 10th English

The timeless themes in world literature are emphasized in English 10, drawing from literature of the Americas, Europe, the Middle East, Asia, the Pacific Rim, and Africa. A classic world literature selection introduces each region, followed by short fiction, nonfiction, poetry, and/ or drama. Students explore the cultures surrounding each piece of literature and consider the similarities that unite the human family. The survey of world literature includes works by Margaret Atwood, Pablo Neruda, and Eugène Ionesco. Students continue to strengthen their mastery of the writing process and compose for various purposes. Skills are further developed, including the research process and oral communication.

Honors English 10A & 10B

Open To: 10

Credits: 1 / One Year

NCAA

Grad Req: 10th English

This course uses the same curriculum as English 10 with the additional opportunities that require more analytical analysis. If you are looking for greater academic rigor than English 10 consider this course.

11th GRADE COURSES

AP English Language and Composition 11A & 11B

Open To: 11

Credits: 1 / One Year

NCAA

Grad Req: 11th English

Fee: AP exam fee.

This course provides high school students with college-level instruction in language, rhetoric, and exposition. Students study and write various kinds of analytic and persuasive essays on literary and non-literary topics. Students become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both reading and writing assignments are designed to make students aware of the interaction among a writer's subject and purpose and the audience's expectations, as well as the way in which conventions and language contribute to effectiveness in writing. This course prepares students for the AP English Language and Composition exam by enabling them to read, comprehend, and write about complex texts while developing further communication skills at a college level.

English 11A & 11B

Open To: 11

Credits: 1 / One Year

NCAA

Grad Req: 11th English

Students focus on the literary movements that comprise American literature and trace the chronology of national literature from the early American and colonial period through the contemporary period. Students read selections from the Native American oral tradition; seminal historical documents and essays; and fiction, nonfiction, poetry, and drama. The survey of American authors includes Mark Twain, Ralph Ellison, and Julia Alvarez. Students continue to strengthen and apply higher-level critical reading, literary analysis, and research skills through the use of graphic organizers and note-taking strategies.



Honors English 11A & 11B

Open To: 11

Credits: 1 / One Year

NCAA

Grad Req: 11th English

This course uses the same curriculum as English 11 with the additional opportunities that require more analytical analysis. If you are wanting a greater academic rigor than English 11 consider taking this class.

12th GRADE COURSES

AP English Literature and Composition 12A & 12B

Open To: 12

Credits: 1 / One Year

NCAA

Grad Req: 12th English

Fee: AP exam fee.

This course prepares high school students for the AP English Literature and Composition exam by providing them with college-level instruction in various kinds of analytic and persuasive essays on literary and non-literary topics. Students become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Through their integrated reading and writing activities, students analyze and evaluate the interaction among a writer's subject and purpose and the audience's expectations, as well as the way in which conventions and language contribute to effectiveness in writing.

Bridge to College English 12A & 12B

Open To: 12

Credits: 1 / One Year

Grad Req: 12th English

Success indicator: A score of level 2 or below on SBAC (Smarter Balanced ELA Assessment)

This course emphasizes focused reading, writing, speaking & listening, and research work based on Washington State's K-12 Learning Standards for English language arts (the Common Core State Standards, (CCSS-ELA). This course will develop students' college and career readiness by building skills in critical reading, academic writing, speaking and listening, research and inquiry, and language use as defined by the CCSS-ELA for high school. Students will engage with rigorous texts and activities that support the standards' additional goals of developing the capacities of literacy, including deepening appreciation of other cultures, valuing evidence and responding to varying tasks across content areas, and navigating technology to support their work. For seniors who score in Level 2 on the Smarter Balanced 11th grade assessment and are successful in this course (B or better), the Bridge to College ELA course offers an opportunity to place into a college-level course when entering college directly after high school.

English 12A & 12B

Open To: 12

Credits: 1 / One Year

NCAA

Grad Req: 12th English

Students study classical and contemporary British literature from the Anglo-Saxon period to the modern era. They examine how the historical, social, and cultural contexts of each period influenced writers. Particular attention is given to the form and function of different types of literature, including epic poetry, allegory, lyric poetry, fiction, nonfiction, and drama. Students write creative and analytical compositions and participate in collaborative discussions to refine their writing products.

Honors English 12A & 12B

Open To: 12

Credits: 1 / One Year

NCAA

Grad Req: 12th English

This course uses similar curriculum as English 12 with greater academic rigor to enhance your analytical skills.

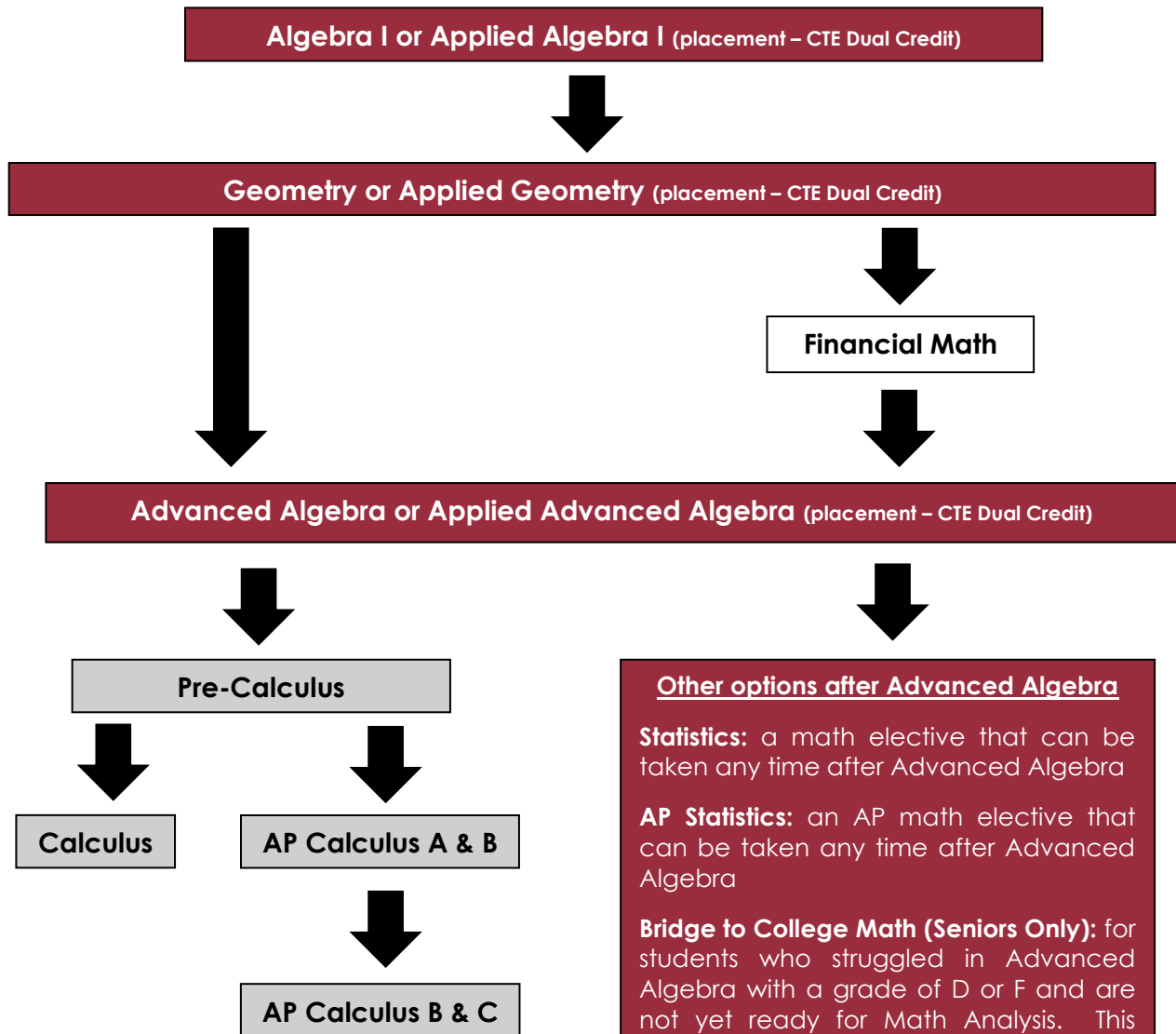


MATH RECOMMENDED SEQUENCE

Upper level Math courses (after Advanced Algebra): Recommend TI-83 Plus or TI-84 calculator

Recommended by 4-year colleges

Required for Graduation / Required by 4-year colleges



Other options after Advanced Algebra

Statistics: a math elective that can be taken any time after Advanced Algebra

AP Statistics: an AP math elective that can be taken any time after Advanced Algebra

Bridge to College Math (Seniors Only): for students who struggled in Advanced Algebra with a grade of D or F and are not yet ready for Math Analysis. This course is used as an alternate pathway for seniors to meet their SBAC math requirement.

Not sure? Ask your current math teacher.



Math Courses

Algebra I A & B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: Algebra

Students learn about the properties of real numbers and apply their knowledge to equations, inequalities, and multi-step equations. They move on to identify, write, and graph functions and equations; simplify radical expressions; solve quadratic equations; and factor and perform operations with binomials and polynomials. Students calculate slope and use the slope-intercept form to graph linear equations. They also learn to solve systems of equations and inequalities both graphically and algebraically.

Algebra II A & B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: 3rd Year Math

Success indicator: Recommend successful completion of Algebra 1.

Students engage in high-level mathematical discussions and apply algebraic concepts to real-world scenarios as they build on prior knowledge of functions, systems of equations, the quadratic formula, and factoring. Students also continue to study arithmetic and geometric sequences and series, probability and statistics, and trigonometric identities and equations.

Algebra with Finance

Open To: 9, 10, 11, 12

Credits: 1 / One Year

Grad Req: Algebra

In this course, students explore the properties of real numbers and apply this knowledge to equations, inequalities, and multistep equations. Students learn to identify, write, and graph functions and equations, simplify radical expressions, and solve quadratic equations. They learn to factor and perform operations with binomials and polynomials. Students calculate slope and use slope-intercept form to graph linear equations. They also learn to solve systems of equations and inequalities both graphically and algebraically. This course is offered to qualified students.

Applied Math: Algebra I

Open To: 9, 10, 11, 12

Credits: 1 / One Year

Grad Req: Algebra and CTE

Two for One Credit: CTE

Applied Algebra I focuses on the application of mathematics and statistics to the solution of function problems in fields such as engineering and the applied sciences. The course includes practical application of mathematical concepts such as solving simple equations and inequalities, linear equations, systems of equations, functions, exponents, probability, quadratics and factoring.

Bridge to College Math

Open To: 12

Credits: 1 / One Year

Grad Req: Geometry and CTE

This course emphasizes modeling with mathematics and the Standards for Mathematical Practice found within the Washington State Mathematics Learning Standards (the Common Core State Standards, CCSS-M). Topics include building and interpreting functions (linear, quadratic, and exponential), writing, solving, and reasoning with equations and inequalities, and summarizing, representing, and interpreting data. The course is designed to focus on building conceptual understanding, reasoning and mathematical skills and provides students engaging mathematics that builds flexible thinking and a growth mindset.



Math Courses (CONTINUED)

Calculus A & B

Open To: 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: 3rd year Math

Success indicator: Successful completion of Math Analysis (Pre-Calculus)

Calculus A introduces limits, differentiation, and applications of differentiation. The student will find and evaluate finite and infinite limits graphically, numerically, and analytically. The student will find derivatives using a variety of methods including the chain rule and implicit differentiation. Then the student will use the first derivative test and the second derivative test to analyze and sketch functions. Finally, the student will find derivatives using a variety of methods including substitution. Calculus B introduces integration of functions, differential equations, and applications of integration. The student will calculate antiderivatives using a variety of methods including substitution. The student will evaluate integrals using a variety of methods including numerical integration. Then the student will understand and apply Riemann sums, definite integrals, and the Fundamental Theorem of Calculus. In particular, the student will differentiate and integrate logarithmic, exponential, and inverse trigonometric functions. The student will solve simple differential equations, which can be solved by separation of variables, and use the calculations to solve applied problems. The student will use integration to determine the area between two curves, volume, and surface area. Finally, the student will apply integration to determine work, center of mass, and fluid force. The use of a graphing calculator is considered an integral part of the course and the student will use a graphing calculator throughout this course.

Consumer Math

Open To: 10, 11, 12

Credits: 1 / One Year

Grad Req: 3rd year Math

Students focus on math skills and problem-solving strategies that are relevant to practical financial applications. Topics include planning and managing a budget, avoiding common financial pitfalls, and posing questions to businesses and companies. Students also learn to examine their own spending behavior and evaluate purchasing decisions.

Geometry A & B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: Geometry

Success indicator: Recommend successful completion of Algebra.

This course guides students through the exploration of geometric figures. They analyze plane figures and three-dimensional figures and apply formulas to calculate area, surface area, and volume. They learn how to use inductive and deductive logic to conduct formal proofs through predictions, counterexamples, and drawing conclusions. Students also conduct detailed analyses of the properties of parallel and perpendicular lines, triangles, polygons, quadrilaterals, and circles, including similarity and transformations.

Honors Algebra 2 A & B

Open To: 11, 12

Credits: 1 / One Year

Grad Req: 3rd year Math

This course is similar to the Algebra 2 course but with greater academic rigor.

Integrated Math I A & I B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

Grad Req: Algebra

This course teaches students how to simplify expressions and solve linear equations, introduces basic geometric terms and logic, reasoning, and proof and addresses linear equations in a graphical sense, and parallel and perpendicular lines, first from an algebraic perspective, followed by proving associated theorems using geometry. This course also teaches students how to solve proportions, use square roots, explore exponents, simplify polynomials, factor and solve quadratic equations, and apply these skills to geometry topics such as quadrilaterals, polygons, area, and volume.



Math Courses (CONTINUED)

Integrated Math II A & II B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

Grad Req: Geometry

This course teaches students about linear equations and inequalities, functions and families of functions, triangles, and how to apply their knowledge to solve systems and prove theorems. This course also teaches students about geometrical relationships in triangles and plane figures, special right triangles, basic trigonometry, radicals, polynomials, rational equations, probability and statistics.

Integrated Math III A & III B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

Grad Req: 3rd Year Math

This course reviews graphing in the coordinate plane, graphical and algebraic approaches to solving systems of equations and constructions, isometric transformations, symmetry, and dilations. This course also teaches students about a variety of nonlinear relationships, circles and conic sections, arithmetic and geometric sequences and series, and how to solve quadratic equations.

Pre-Calculus A & B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: 3rd Year Math

Success indicator: Recommend successful completion of Advanced Algebra

This is an in-depth, pre-calculus course designed to strengthen student understanding of functions, trigonometry, and probability and statistics. It helps develop the ability to explore and solve mathematical problems, think critically, work cooperatively with others, and communicate ideas clearly. Course includes the study of trigonometric and circular functions, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; vectors; matrix algebra; sequences and series; conics and hyperbolics; and limits and continuity. Graphing calculators will be used on a regular basis. Meets 3rd year math graduation requirement. Recommended by 4-year colleges/universities.

Statistics A & B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

Grad Req: 3rd Year Math

Success indicator: Successful completion of Advanced Algebra or Math Analysis (Pre-Calculus)

This course addresses descriptive statistics topics including frequency distributions, histograms, graphs, and measures of center and spread. Probability topics include addition rules, multiplication rules, conditional probabilities, counting rules, binomial distribution, and normal distribution. Inferential statistics topics include estimations for population measures, hypothesis testing, correlation, goodness-of-fit, and statistical process control.

Trigonometry

Open To: 9, 10, 11, 12

Credits: .5 / One Semester

Grad Req: 3rd Year Math

This course addresses analyzing functions, transformations, and inverse functions. Students will also learn about radians, the unit circle, right-triangle trigonometry, trigonometric functions, inverse trigonometric functions, trigonometric identities, and trigonometric equations. Additional topics include vectors, conic sections, parametric curves, and the polar coordinate system.



Social Studies

Contemporary Histories/World Issues

AP Human Geography A & B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: CWP

Fee: AP Test Fee.

This course is designed to provide college level instruction on the patterns and processes that impact the way humans understand, use, and change Earth's surface. Students use geographic models, tools, and geographical data to examine spatial patterns and analyze the changing interconnections among people and places.

Contemporary World History

Open To: 10, 11, 12

Credits: .5 / One Semester

Grad Req: .5 CWP

This is a challenging course that will cover world history from WWI through the present. Lessons will focus on historic events including WWI, the Great Depression, WWII, the Cold War, and 21st Century conflicts.

Current Events

Open To: 11, 12

Credits:.5 / One Semester

Grad Req: CWP

How can you discuss the important issues of our day in a meaningful way? Current Events is an introductory, one semester, elective course structured to increase your understanding of current issues in areas of politics, society, and economics. This course emphasizes research, and the topics you will encounter are broad in nature to allow for fluctuation in media coverage on common topics. You will engage in discussion of issues with your peers, including long-standing, complex issues of debate in our country such as capital punishment, genetic engineering, censorship, prayer in schools, gun control, affirmative action, immigration, and global warming. You will express your viewpoints on these subjects using the text of your research to support your statements. Upon completing this course, you will have a greater understanding of some of the political, social, and economic issues that have dominated the news in recent years. You will distinguish between objective and subjective thought in your thinking and sources' reasoning and will learn to make educated decisions as to whether the sources present biased or unbiased coverage. For each content unit, you will write essays that demonstrate your research efforts, integrating current viewpoints with the background conversation about issues. Basic writing skills such as paragraph development and good mechanics are a prerequisite.

Human Geography A & B

Open To: 11, 12

Credits: 1 / One Year

Grad Req: CWP

This course is designed to provide college level instruction on the patterns and processes that impact the way humans understand, use, and change Earth's surface. Students use geographic models, tools, and geographical data to examine spatial patterns and analyze the changing interconnections among people and places.

Social Problems A & B

Open To: 9, 10, 11, 12

Credits: 1 / One Year

Grad Req: CWP

Students will become aware of the challenges faced by social groups, as well as learn about the complex relationship among societies, governments and the individual. Each unit is focused on a particular area of concern, often within a global context. Possible solutions at both the structural level as well as that of the individual will be examined. Students will not only learn more about how social problems affect them personally but begin to develop the skills necessary to help make a difference in their own lives and communities—not to mention globally.



Social Studies (Continued)

US History

AP US History A & B

Open To: 11

Credits: 1 / One Year

NCAA

Grad Req: US History

Fee: AP Test Fee.

Woven into the chronology of this course are the key themes of American History. Issues of American identity, diversity, religion, and culture are examined. Economic transformations, the development of political institutions, and reform movements are evaluated. War, slavery, and demographic changes are assessed. Globalization and environmental issues are analyzed.

Honors US History A & B

Open To: 11

Credits: 1 / One Year

NCAA

Grad Req: US History

This course has greater academic rigor than the US History course.

US History A & B

Open To: 11

Credits: 1 / One Year

NCAA

Grad Req: US History

This course contains lessons addressing historical periods from the American Revolution to globalization and the 21st century. The lessons address key concepts, important historical figures, and significant events to help students gain an understanding of the political, economic, military and social structures of the early years of the United States through its emergence as a global superpower.

Social Studies

Senior Year

American Government A

Becomes an elective for the Class of 2024

Open To: 12

Credits: .5 / One Semester

NCAA

Grad Req: Civics

Students examine concepts such as democracy, federalism, separation of powers, and checks and balances. The branches of government—legislative, executive, and judicial—are studied in depth. Students learn about the basic rights and responsibilities of U.S. citizens; the influence of political parties, the media, and interest groups; and the structure of local and state governments. The course presents information in a context relevant to students. Activities are designed to develop students' ability to read and evaluate different forms of information and communicate their ideas.

Civics

Open To: 12

Credits: .5 / One Semester

NCAA

Grad Req: Civics

Civics is a one-semester course that provides an in-depth look at the community of people who make up the country we live in. Students learn about who Americans are, what American culture looks like, and how important diversity is in this country. The course also explores the American economy and forms of government. Students gain an understanding of how the government functions. They also learn what it means to be an American citizen, including both the rights and responsibilities of living in the United States. The course concludes by discussing how to get involved in your local government and to work for the common good of your community.



Social Studies Electives

African American History

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

How have African Americans shaped the culture of the United States throughout history? Tracing the accomplishments and obstacles of African Americans from the slave trade through emancipation, and to the modern African diaspora, you will learn about the political, economic, social, religious, and cultural factors that have influenced African American life. In African American History, you'll come face to face with individuals who changed the course of history and learn more about slavery, racism, and the Civil Rights Movement. You will also explore how the history of African Americans influences current events today.

American Government B

Open To: 9,10,11,12

Credits: .5 / One Semester

NCAA

Grad Req: Social Studies Elective

This course covers the foundations of American government, political behavior, and the three branches of the federal government. Built using responsive design principles, this HTML course is mobile-friendly, meets accessibility requirements, and includes expanded projects and assessments.

Anthropology A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Social Studies Elective

The aim of anthropology is to use a broad approach to gain an understanding of our past, present and future, and in addition, address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the anthropological world are just one of the powerful learning tools utilized in this course.

AP Psychology A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Social Studies Elective

Fee: AP exam fee.

The AP Psychology course introduces students to the scientific study of the behaviors and mental processes of human beings. Students will study a wide range of topics, including the history and approaches of psychology, research methods, behavior and learning, personality, and abnormal behavior and its treatment. Over the course of study, students will create a biography book detailing the contributions of important figures in the field. In addition, students will be exposed to a wide variety of activities, readings, and research studies during the course.

Archeology

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.



Social Studies Electives (Continued)

Economics

Open To: 9,10,11,12

Credits: .5 / One Semester

NCAA

Grad Req: Social Studies Elective

This course addresses concepts of economics, including a review of the American free enterprise system. Students learn about markets, business and labor, and banking and finance in the microeconomics sections, and then learn about measuring economic performance, the government's role in the economy, and international trade and development in the macroeconomics section.

Geography

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

This course addresses key concepts of physical and human geography and presents information about the United States, Canada, Latin America, Western Europe, Central Europe, Northern Eurasia, Central and Southwest Asia, Africa, South Asia, East Asia, the Pacific world, and Antarctica.

Geography & Society

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

Students explore geography skills and principles as they examine several case studies with geographic implications. They gain an understanding of the ways in which geography influences the daily lives of people around the world. This course covers the concepts of physical geography, human and environmental interaction, human systems, and the movement of peoples and their cultures.

History of the Holocaust

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference and the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

Intro to Psychology

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

Students gain an understanding of human behavior, including biological foundations and the brain, sensation, motivation, and perception. Students explore the relationship between learning and memory; various personality theories; emotions; states of consciousness; cognition; life-span development; and applied psychology.



Social Studies

Electives (Continued)

Personal Psychology

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

Self-knowledge is the key to self-improvement. More than 800,000 high school students take psychology classes each year. Among the different reasons, there is usually the common theme of self-discovery. Sample topics include the study of infancy, childhood, adolescence, perception and states of consciousness. Amazing online psychology experiments dealing with our own personal behavior are featured within this course.

Philosophy

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

This course will take you on an exciting adventure that covers more than 2,500 years of history! Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll learn about another eccentric who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you learn about these great thinkers, you'll come to see how and where many of the most fundamental ideas of Western civilization originated. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. By the time you've "closed the book" on this course, you will better understand yourself and the world around you—from atoms to outer space, and everything in between.

Psychology A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Social Studies Elective

Through this highly interactive course students will acquire an understanding of and an appreciation for human behavior, behavior interaction, and the progressive development of individuals.

Sociology

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world in which we live? Students will examine social problems in our increasingly connected world and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

Washington State History

Open To: 9,10,11,12

Credits: .5 / One Semester

NCAA

Grad Req: WSH or Social Studies Elective

In this course, students study the history of Washington as it applies to geographic, political, economic, and cultural perspectives. Students will engage in exploration of the geography and regions of Washington and enhance their map skills.



Social Studies Electives (Continued)

Women's Studies

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Social Studies Elective

This course, although looking specifically at the experiences of women, is not for girls only. If you are a student interested in exploring the world through film and are open-minded enough to be interested in social change, then this course is for you.

World History

Open To: 11,12

Credits: .5 / One Semester

NCAA

Grad Req: Social Studies Elective

This course provides students with a comprehensive examination of world history, from ancient times through present day. Students explore prehistory and early civilization, focusing on the ancient civilizations of the Americas, Egypt, India, China, Greece, and Rome. They study Medieval Christian Europe from the early to late Middle Ages; regional civilizations including the Muslim world, Africa, and Asia; and early modern times with a focus on the Renaissance, Reformation, and Global Age. The course explores social, political, and economic changes of the 19th and 20th centuries, including the industrial age and independence movements. Students study the impact of nationalism, imperialism, and the world wars. Finally, they explore the Cold War, new nations, and the effects of globalization.



Science Lab Science

AP Biology A & B

Open To: 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: Lab Science

Success indicator: Biology

Fee: AP Test Fee.

This challenging course is designed to provide a college-level experience and prepare students for the AP Biology exam. Students are engaged in a wide variety of activities with substantial emphasis on interpreting and collecting data in virtual labs, writing analytical essays, mastering biology concepts, and making connections. The key themes in the course include the scientific processes; the effects of science on technology and society; the chemistry and makeup of living organisms; and genetics, diversity, and evolution.

AP Environmental Science A & B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: CTE and Lab Science

Two for One Credit: Lab Science

Fee: AP test fee.

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand interrelationships in the natural world, identify and analyze environmental problems that are natural and human-made, and prepare for the AP Environmental Science exam. Students evaluate the relative risks associated with these problems and examine alternative methods for resolving or preventing problems. Hands-on and virtual lab experiences support students' ability to master the content.

Biology A & B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: Lab Science

Students have frequent opportunities to debate scientific findings and analyze how biology impacts society as they study topics such as ecology, genetics, and anatomy. Using both hands-on experiments and interactive tools, they also study cells, compare microorganisms, investigate plant and animal structure and function, and explore the history of life on Earth.

Honors Biology A & B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Expect more academic rigor than the standard Biology course.

Chemistry A & B

Open To: 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: Lab Science

Success indicator: One-year lab science and Algebra II, completed or taken concurrently

This rigorous full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes 12 virtual laboratory experiments that encourage higher-order thinking applications. There is also a wet lab component for each of these labs. The components of this course include the composition and properties of matter, changes and interactions of matter, organic chemistry, and nuclear chemistry.



Science

Lab Science (Continued)

Honors Chemistry A & B

Open To: 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: Lab Science

Expect more academic rigor than the standard Chemistry course.

Earth Science A & B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: Lab Science

Success indicator: Freshman level science

Students look at our planet's place in the universe, at its composition, and at the many changes it may undergo. In addition, they study Earth's history by comparing landforms, investigating the properties of rocks and minerals, analyzing weather patterns, and examining the relationships between the Earth, moon, and sun.

Honors Earth Science A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Lab Science

This course is similar to our Earth Science course with more academic rigor.

Physical Sci -Physics and Physical Sci-Chemistry

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Lab Science

Students explore and learn the basic concepts of chemistry and physics. The chemistry-focused lessons extend prior knowledge of the properties, states, and structure of matter; explore the dynamics of chemical bonding and reactions; and introduce students to nuclear chemistry. The physics-focused lessons enable students to explore motion, force, work, power, energy, wave mechanics, electricity, magnetism, optics, and the electromagnetic spectrum. Additional content includes Earth science units. Hands-on explorations and virtual simulations enhance students' comprehension of key science concepts.

Marine Science A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Lab Science

Students will delve deep into Earth's bodies of water and study geologic structures and how they impact the oceans. They will investigate characteristics of various populations of aquatic life, patterns of distribution, and ongoing changes occurring in our ecosystem.

Honors Marine Science A & B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: Lab Science

Expect more academic rigor than the standard Marine Science course.



Lab Science (Continued)

Physical Science A & B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: Lab Science

This full-year course focuses on traditional concepts in chemistry and physics and encourages exploration of new discoveries in this field of science. The course includes an overview of scientific principles and procedures, and leads students toward a clearer understanding of matter, energy, and the physical universe. As students refine and expand their understanding of physical science, they will apply their knowledge in experiments that require them to ask questions and create hypotheses. Throughout the course, students solve problems, reason abstractly, and learn to think critically.

Physics A & B

Open To: 10,11,12

Credits: 1 / One Year

NCAA

Grad Req: Lab Science

Students apply the math and science skills they have already learned to explain the laws of motion, analyze the laws of thermodynamics, describe the behavior of waves, and investigate the relationship between electricity and magnetism. They are introduced to quantum physics and are asked to apply physics concepts to real-life situations.

Science

Non-Lab Science

Astronomy: Exploring the Universe A & B

Open To: 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: Science

This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.

Environmental Science A & B

Open To: 10, 11, 12

Credits: 1 / One Year

NCAA

Grad Req: Science

This course presents relationships between organisms and how these relationships relate to the functioning ecosystems. Students learn the key concepts and processes of nutrient cycling, biomes, pollution, energy resources, and habitat destruction. The course also covers ways to promote biodiversity and create a sustainable future.

Great Minds in Science

Open To: 10, 11, 12

Credits: .5 / One Semester

Grad Req: Science

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals and shows how their ideas may help to shape tomorrow's world.



Physical Education and Health

Personal Fitness

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: P.E.

Get an in-depth understanding of what real fitness requires and how you can best increase your strength, endurance, and flexibility. Explore the world of healthy living and see how real fitness can be achieved through intention, effort, and knowledge.

Physical Ed 9 A & B

Open To: 9

Credits: .5 / One Semester

Grad Req: P.E.

Physical Ed 10 A & B

Open To: 10

Credits: .5 / One Semester

Grad Req: P.E.

Physical Ed 11 A & B

Open To: 11

Credits: .5 / One Semester

Grad Req: P.E.

Physical Ed 12 A & B

Open To: 12

Credits: .5 / One Semester

Grad Req: P.E.

Adaptive PE

Open To: 9 -12

Credits: .5 / One Semester

Grad Req: P.E.

High School Health

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Health

In this course, students will experience the many benefits of regular physical activity, proper nutrition, and sound decision making. Students will assess their current physical condition and define personal goals. Students will apply fitness training principles, enhancing improvement in health and skill-related areas of fitness.



Art

Animation 1A & 1B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

Do you wonder what it would be like to create the next blockbuster animated movie or do you want to make the next big video game? Do you have an eye for drawing, technology, and timing? If so, Animation is the course for you! You will learn how to use animation tools to conceptualize and bring your creations to life. You'll learn the ins and outs of creating 2D and 3D animation, from start to finish. You'll even begin working on our own design portfolio and get hands on experience with creating your own animation projects. Learning about Animation could lead to a thriving career in the growing world of technology and animation.

Art History A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

Students begin exploring the basic elements of art and its role in history through their examination of works from Paleolithic times to the Roman Empire. The goal is to enhance students' understanding of ancient history and show how art reflects historical events

Art in World Cultures A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

This course provides an introduction to fundamental techniques and concepts of representational and expressive drawing within a variety of media. Emphasis is on object representation, spatial illusion, and the organization of structural relationships in two-dimensional space.

Digital Photo 1A & 1B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts or CTE

Have you ever wondered how photographers take such great pictures? Have you tried to take photographs and wondered why they didn't seem to capture that moment that you saw with your eyes? The Digital Photography I course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-ups, and action photographs.

Digital Photo 2A & 2B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts or CTE

In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history, and we will learn how to critique photographs in order to better understand what creates an eye-catching photograph.



Art (Continued)

Fundamentals of Art

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

This course introduces you to the theory and practice of art. You will begin your study with intensive vocabulary application of the terms of art to help you critically and insightfully discuss—and eventually write about—art. This course discusses and demonstrates the elements (line, color, shape/form, space, value, and texture) and principles of art (balance, harmony, unity, emphasis, repetition, rhythm, contrast, and composition) through the incorporation of famous works of art, as well as with the use of interactive graphics and activities. You will study classic representations of art that demonstrate elements and principles, such as paintings by Pissarro, DaVinci, Cimabue, Manet, Van Gogh, Gauguin, Renoir, and Monet. This course focuses on teaching you to analyze works of art rather than create art. Before enrolling in this course, you should have basic skills in analysis and writing about subjects using evidence to support your ideas.

Foundations of Game Design A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

This course is for anyone who loves gaming and wants to design games. The student will learn how to use popular game design software to create engaging, interactive games in a variety of genres. In addition, the student will get a solid foundation in the basic concepts of game development. By the end of this course, the student will have a variety of polished games for your game development portfolio.

Intro to Drawing

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

Learning to draw is like learning any new skill: it takes practice, practice, practice. Introduction to Drawing is a one-semester course for beginning and intermediate artists that provides training in the application of artistic processes and skills. In this course, you will learn the basics of line, contour, shading, texture, perspective, composition, and action drawing. You will examine artwork and demonstrate your newly learned skills by creating several original works of art and compiling a portfolio of your artwork.

Living Music A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

This series of courses teaches students fundamental musicianship from a Western classical approach while aligning to national music education standards. Students use classic repertoire to analyze compositional style and are challenged to improve their rhythm, listening, notation, analysis, performance, and improvisation skills using virtual tools. With audio, visual, and interactive technologies, the course sequence provides a unique and progressively more advanced learning experience for students in grades 9–12.

Music Appreciation

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the 21st century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.



Art (Continued)

Theater/Cinema/Film

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts

This course will introduce students to the basics of film and theater productions. Students will learn about the basics of lighting, sound, wardrobe, and camerawork for both film and theater settings. The course also explores the history of film and theater and the influence that they have had on society. Students will analyze and critique three influential American films; "Casablanca," "Singin' in the Rain," and "The Wizard of Oz."

Web Design A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Fine Arts and CTE

In this course, students learn the basics of building safe websites, including the use of hypertext markup language (HTML). They then plan their own sites and learn how to link and navigate pages. As they progress to more complex design techniques, students also learn how graphics can make a site more attractive.



Career and Technical Education (CTE)

3D Modeling A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

Are you interested in a career in technology? Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? If so, 3-D Computer Modeling is a great place to start as it is the foundation for all these career paths. The student will gain a deeper understanding of graphic design and illustration as he uses 3-D animation software to create virtual three-dimensional design projects. Hone in on drawing, photography, and 3-D construction techniques and develop the skills needed to navigate within a 3-D digital modeling workspace. This course is an excellent introduction to careers in the fast-growing field of technology and design.

Advertising and Sales Promotion

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

Do you have a business idea but are unsure about how to market your ideas to customers? Do careers in business appeal to you? In this Introduction to Marketing class, the student will master the basics of marketing, including core concepts such as financing, pricing, distribution, product management, and more. Throughout the course, the student will learn about the basics of economics and economic systems, managing business finances accounting practices, operating a business in the global marketplace, generating business ideas and seeking out business opportunities, creating a business plan, and promoting and advertising a business.

Biotechnology

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

In today's world, biotechnology helps us grow food, fight diseases, and create alternative fuels. In this course, students will explore the science behind biotechnology and how this science is being used to solve medical and environmental problems.

Business Applications

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

Students explore principle areas of business with topics such as law, intellectual property, contracts, employment, and forms of business organization. They learn about payroll, banking, insurance, taxes, and other business topics. The student will explore creating a business plan, financing a business, and pricing products and services.

Careers in Criminal Justice A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: CTE

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.



Career and Technical Education (CTE) (Continued)

Career Planning and Skill Development

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

As a high school student, it may seem like an eternity before you'll be working for a living. However, you will be entering the working world sooner than you think—so it's important that you're prepared. Career Planning and Skill Develop will learn about qualities that will make you a successful employee and additional career-related skills, such as problem-solving and communication.

Coding 1A & 1B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: CTE

In this course students will receive a basic introduction to the principles of programming, including algorithms and logic. Students engage in hands-on programming tasks as they write and test their own code using the approaches real programmers use in the field.

Concepts of Engineering and Technology

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

Each day, we are surrounded by technology and engineering projects. From our phones to the bridges we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, the student will learn more about engineering and technology careers and what skills and knowledge he will need to succeed in these fields. The student will explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help the student understand the emerging issues in this exciting career field.

Computing for College and Careers

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

In this course, students use electronic media and software to apply academic concepts in the creation of meaningful organizers, projects, and presentations. Students locate, retrieve, and evaluate data in order to construct and analyze databases. Students produce presentations and become effective communicators and collaborators as they plan, evaluate, and synthesize research.

Digital Photo 1A & 1B

Open To: 9,10,11,12

Credits: .5 / One Semester

Dual Credit

Grad Req: CTE and Fine Arts

Two for One Credit: CTE

Description is in the Art Section

Digital Photo 2A & 2B

Open To: 10,11,12

Credits: .5 / One Semester

Dual Credit

Grad Req: CTE and Fine Arts

Two for One Credit: CTE

Success indicator: Digital Photo 1A & 1B

Description is in the Art Section



Entrepreneurship: A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

Do you dream of owning your own business? This course can give the student a head start in learning about what he will need to own and operate a successful business. The student will explore creating a business plan, financing a business, and pricing products and services.

Financial Literacy

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

The key to a happy, successful life is to make a lot of money, right? Not really. No matter how much money you have, you still need the skills to use the money in your life responsibly and meaningfully. This one-semester course in financial literacy serves to give you an appreciation and respect for money. Too often, young adults begin their financial careers in disarray due to a lack of understanding of the short- and long-term effects of financial decisions. As these young people grow into adults, they don't have a strong foundation on which to build their financial futures. This course introduces you to the importance of money and the decisions made with regard to it. The topics in this course include defining wealth, using decision-making and goalsetting skills, the benefits and costs of employment, how to read your paycheck, how to manage and spend money, and how to save and invest money.

Foundations of Game Design A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

This course is for anyone who loves gaming and wants to design games. The student will learn how to use popular game design software to create engaging, interactive games in a variety of genres. In addition, the student will get a solid foundation in the basic concepts of game development. By the end of this course, the student will have a variety of polished games for your game development portfolio.

Health Science

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE and Elective

In this course, students will be introduced to the various disciplines within the health sciences, including toxicology, clinical medicine and biotechnology. They will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

Nutrition and Wellness

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE and Elective

Learn how to fuel your body, maintain your emotional and physical health, and find your way around the grocery store and kitchen in Nutrition and Wellness. This course prepares you for a healthy life and provides you with the essential skills you need to plan and make healthy and delicious meals for you, your family, and your friends. You'll learn how to budget for your meals, shop for groceries, and fit cooking into a busy schedule of school, work, and other responsibilities.



Intro to Graphic Design A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

Can people communicate without using words? Do different colors invoke different emotions? Can artists use various textures to communicate a range of ideas? Absolutely! Designed to develop an understanding and appreciation for design, the Introduction to Graphic Design A course teaches the student to interpret visual representations and to communicate his or her own ideas and information graphically. By raising the student's awareness of design, this intermediate-level course establishes a strong foundation in the basic principles of graphic design. This course, the first in a two-semester series, introduces the student to scenarios that can be solved by applying creative techniques that yield innovative and effective design solutions. Though the course is structured around computer-assisted graphic design, the student will examine other types of design as well. The student will also learn to use Inkscape, an image editing program that is provided, and will create several design compositions using this program.

International Business

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

From geography to culture global business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. Students will gain a global view of business, learn how today's businesses are more interconnected than ever, and investigate why and how companies go international. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

Intro to Culinary Arts 1A & 1B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

Food is fundamental to life. Not only does it feed our bodies, but it's often the centerpiece for family gatherings and social functions with friends. In this course, you will learn all about food, including food culture, food history, food safety, and current food trends. You'll also learn about the food service industry and try your hand at preparing some culinary delights. Through hands-on activities and in-depth study of the culinary arts field, this course will help you hone your cooking skills and give you the opportunity to explore careers in this exciting industry.

Introduction to Culinary Arts 2A & 2B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

Baking, Pastry, and More! Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!



Career and Technical Education (CTE) (Continued)

Personal Finance

Open To: 9,10,11,12

Credits: .5 / One Semester

Dual Credit

Grad Req: CTE

Through real-world applications and clear, engaging lessons, Personal Finance prepares students for making sound financial decisions. Exercises illustrate the influence of economics in daily life and show how financial decisions made today affect the future. The course covers topics such as financial and career planning; banking, savings, and investment programs; and stocks, bonds, and mutual funds.

Principles of Business Marketing and Finance A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: CTE

Students explore factors influencing how marketing decisions are made, including the impact of marketing decisions on an organization and its customers. They gain a working knowledge of practical marketing and business vocabulary. Students gain an understanding of financial management, including key language and terminology, time-value of money, financial markets and securities, financial statements, financial analysis, risk and return, valuation of stocks and bonds, capital budgeting and valuation, cost of capital and capital structure, working capital management, dividend policy, and international finance.

Sports & Entertainment Marketing

Open To: 11,12

Credits: .5 / One Semester

Grad Req: CTE

In this course, students have the opportunity to explore basic marketing principles and delve deeper into the multi-billion-dollar sports and entertainment marketing industry. They will learn about how professional athletes, sports teams, and well-known entertainers are marketed as commodities and how some of them become billionaires as a result. This course introduces fundamentals on how things work behind the scenes of a major sporting event, such as the Super Bowl®, or how to play a role in such an event.

Sports Management

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE

In this introduction to the fast-growing field, students explore topics such as sports marketing, branding, ticket sales, media relations, and ethics. They also learn tips for breaking into the industry. The activities and assignments require students to respond to real-world sports management scenarios.

Web Design 1A & 2B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: CTE or Fine Arts

The description is in the Art Section.



World Language

French 1A & 1B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Students join various native French speakers as they offer a lively introduction to their language and rich culture. New words and phrases are introduced with pictures, audio clips and examples. After one semester, students engage in conversational French introducing themselves and exchanging basic information with others. Students also explore cultures of Canada and other French-speaking countries. Bon voyage!

French 2A & 2B

Open To: 10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: French I

Students join various native French speakers as they continue on their second-year journey through rich language and culture. They navigate French communicative skills with a heavy emphasis on listening and comprehension, in addition to speaking, reading and writing.

French 3A & 3B

Open To: 11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: French II

French III A and B is a continuation of the first two years of French instruction. The student will continue to improve his listening, speaking, reading, and writing skills through a variety of activities. The course is organized into five topics: feelings, transportation, work, countries, and the future. Throughout this course, the student will build on his previous French knowledge. The student will learn additional vocabulary, verb tenses, and grammatical structures that are appropriate to his level. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Exposure to the culture of France and other French-speaking countries can be found throughout the course in order to help the student understand French, which is a dynamic language that is used by millions of people throughout the world. This course is organized into five topics: health, home, measurement, professions, and my history. The student will learn to express himself using an ever-increasing vocabulary, verbs in various tenses, articles, and adjectives. The student will review all verb tenses, including present tense, past tense, future tense, conditional tense, the passive voice, imperative verbs, and more. The student will learn to use two-object pronouns and review grammar from previous French instruction. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the French-speaking world and culture appear throughout the course, including people, geographical locations, and histories. The student will also learn about the various countries where French is spoken.

French 4A & 4B

Open To: 12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: French III

French IV A continues to build on the skills the student has mastered in his previous French courses. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics in the course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, future-tense verbs, conditional-tense verbs, subjunctive mood, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. The course is rich in authentic reading material and native-speaker recordings and presentations to enrich culture, grammar, and vocabulary presentations. Elements of the French-speaking world and culture appear throughout the course, including people, geographical locations, and histories.



World Language (Continued)

German 1A & 1B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Students use discussions and other activities to learn how to speak, read, write, and understand basic German. Simple grammar, punctuation, and spelling are reinforced with interactive lessons, games, and activities. Students also study German culture and history, as well as the influence of the German language.

German 2A & 2B

Open To: 10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: German I

In this course, students are introduced to increasingly complex vocabulary and grammar. There is more emphasis on improving spoken communication and listening comprehension.

German 3A & 3B

Open To: 10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: German II

German III A is a continuation of the first two years of German instruction. In this course, the student will continue to learn and practice successful communication through speaking, writing, reading, and listening. Throughout the five units, or themes, of material (Die Gefühle, Der Verkehr, Bei der Arbeit, Land und Leute, and Die Zukunft), the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories.

Japanese 1A & 1B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

In today's business world, learning Japanese can be extremely valuable. This course focuses on spoken and written Japanese with a thorough grounding in Japanese culture. Using warm-up activities, reading, vocabulary studies, games, and multimedia presentations, students gain the foundation to communicate successfully in Japanese.

Japanese 2A & 2B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: Japanese I or equivalent or teacher recommendation

Students practice listening, speaking, reading, and writing skills as they express themselves using new vocabulary, present-tense verbs, and adjectives. Grammar is introduced and practiced in innovative and interesting ways and with a variety of learning styles in mind. Students learn about the culture by focusing on the people, lifestyle, geography, and history of Japan.



World Language (Continued)

Spanish 1A & 1B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Students cover basic vocabulary, grammar, spelling, and punctuation to build a solid foundation for further study. Assignments include engaging in simple conversation, writing paragraphs, and listening to Spanish dialogue. Students also converse with a native speaker and study the history and culture of Spanish-speaking peoples

Spanish 2A & 2B

Open To: 9,10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: Spanish I

As they engage in more advanced conversations, write paragraphs and stories, and translate to and from Spanish, students improve their vocabulary and grammar. Intense listening comprehension exercises aid in understanding more complex thoughts and subjects. Students also practice their speaking skills through conversations with a native speaker.

Spanish 3A & 3B

Open To: 10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: Spanish II

Students build their vocabulary and communication skills even further in Spanish III. Advanced grammar, including the study of tenses, sentence structure, and punctuation, is covered. Students also practice correct accents and learn to comprehend real-world native speech

Spanish 4A & 4B

Open To: 10,11,12

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: Spanish III

Spanish IV A continues to build on the skills the student has mastered in his previous Spanish courses. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics covered in this course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the Spanish-speaking world and culture appear throughout the course, including people, geographical locations, and histories. Spanish IV B is a continuation of the first three and a half years of Spanish instruction. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics covered in this course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, future-tense verbs, conditional-tense verbs, the subjunctive, the present perfect tense, the past perfect tense, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the Spanish-speaking world and culture appear throughout the course, including people, geographical locations, and histories.

AP Spanish A & B

Open To:

Credits: 1 / One Year

NCAA

Grad Req: World Language

Success indicator: Spanish

Fee: AP exam fee.

The main objective of this course is to develop students' interpersonal communication skills and prepare them for the AP Spanish Language exam. Students develop a strong command of the Spanish language and become very proficient in reading, writing, and speaking. Students are exposed to Spanish literature, historical and current events, music, movies, radio, and television.



Elective Classes

Academic Skills

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

In this course students will learn skills and habits essential to academic success. Topics covered include study skills; learning styles time management; reading and note-taking; researching; strategies for test preparation and test-taking; underlining/highlighting.

Art Appreciation

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Fine art doesn't just include paintings. Did you know that graphic art, crafts, and architecture all fall under this category, too? Fundamentals of Art Appreciation is an introductory, one-semester course that explores various aspects of art to encourage you to develop an awareness of, and admiration for, fine art. This course focuses on teaching you to analyze works of art rather than create art. As you begin to examine the elements and principles of art in this course, you will study important works of art selected from various types of media, including painting, sculpture, architecture, printmaking, and photography. The course also explores crafts and graphic design and computer art. You will learn about various types of art media and techniques as you investigate the question of why art is created. This course provides you with a working knowledge of concepts and an enriched vocabulary so that you can become a more informed consumer of art.

Cosmetology 1A & 1B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Interested in a career in cosmetology? This course provides an introduction to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.

Cosmetology 2A & 2B

Open To: 10,11,12

Credits: .5 / One Semester

Grad Req: Elective

This course is a continuation of the basics of cosmetology learned in Cosmetology 1. Students will learn specifics about various careers, equipment and technologies. Cosmetology 2 will introduce industry theory and technical skills used by cosmetologists.

Creative Writing A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange, hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing.



Elective Classes (Continued)

Criminology

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

In today's world, crime and deviant behavior rank at or near the top of many people's concerns. In this course, we will study the field of criminology—the study of crime. We will look at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their misdeeds. Why do some individuals commit crimes when others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors—from arrest to punishment—help shape the criminal case process?

Explorations in Mathematics

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Students delve into fundamental math concepts and apply them to real-life situations. Topics covered include prime factorization, operations with rational numbers and integers, solving equations, properties of real numbers, and basic statistics. The goal of this course is to establish a solid base for the study of more advanced math.

Forensic Science A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Elective

The world of law enforcement is increasingly making use of techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

Fundamentals of English Composition

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

We've all been there. An empty page in front of us, the deadline for our three page essay looming. Writing can be hard, but it's an essential skill for life—even after you've finished school. As a beginning writer, you will gain the tools you need to write effectively for school and life in Fundamentals of English Composition. In this one-semester course, you will explore not only how to write, but why. All writing serves a purpose. This course defines the characteristics of effective writing, identifies different purposes for writing, and teaches you strategies for achieving those purposes. The course also provides in-depth instruction on the writing process, focusing on prewriting and revision. In the last part of the course, you will evaluate your own work by looking at it through the eyes of a reader. When you finish the course, you will have written an analytical essay, a persuasive cover letter, and a personal narrative; you will also have been exposed to peer review practices and guidelines for accepting and offering constructive criticism.



Elective Classes (Continued)

Gothic Literature

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of, and an appreciation for, the complex nature of dark fiction.

Health, Fitness, and Nutrition

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

This course covers first aid, the benefits of good nutrition, and the dangers of alcohol and drug use. Students learn how to evaluate their own fitness and nutritional needs and how to make changes that lead to a healthier lifestyle over the long run. Also discussed are strategies for resisting peer pressure and ways fitness can influence self-image and overall well-being.

Health, Safety and Nutrition

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Students learn about the physical and psychological needs of children, from birth to age eight, and how to meet these needs in group settings. Topics include wellness of young children, standards, guidelines and national initiatives, children's nutritional needs, safe and healthy environments, emergency response, child abuse and neglect, educational experiences, and partnering with families.

Hospitality and Tourism

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Student will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines current and future trends.

Intro to Early Childhood Education

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

This course provides the historical, theoretical, and developmental foundations for educating young children, with emphasis on creating inclusive environments and curricula for diverse children and their families. Topics include historical influences, program types, guidance strategies, professionalism, current trends and issues, and advocacy.



Elective Classes (Continued)

Fashion Design

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

In this course, students explore what it is like to work in the industry by exploring career possibilities and the background needed to pursue them. Students will learn the basics of color and design then test their skills through hands-on projects. In addition, they'll develop the essential communication skills that build success in any business. By the end of the course, students be well on their way to developing the portfolio they need to get their stylishly clad foot in the door of this exciting field.

Intro to Grammar and Composition

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Before you can learn to write, you have to master the art of composing sentences and using the correct words. If you struggle with language and grammatical rules get in the way of your ability to write, Introduction to Grammar and Composition will be a great course for you. This one-semester course focuses on using words and sentences correctly while keeping the goal of your writing in mind. This course shows you how words, sentences, paragraphs, and essays help writers express their thoughts. You will be given tools to understand and apply language and writing skills from the ground up. You will learn about the writing process and practice your skills through a variety of writing exercises. The goal of this course is to give you the confidence and skills you need to write a polished essay.

Intro to Social Media

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning about how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this course, you'll learn the ins and outs of social media platforms like Facebook®, Twitter®, Pinterest®, Google+®, and more. You'll also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Journalism A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Elective

As students work through each module, they will utilize Web 2.0 tools to respond to current news and shifts in journalism, create original projects, and reflect upon the changing face of news. Authentic assessments, interactive examples, and self-checks will deepen their understanding of the topics covered and prepare them for work or further study in the field of journalism.

Keyboarding

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

This course is designed for students to master the skill of entering alphabetic, numeric, and symbolic information on a keyboard and a ten-key pad using the touch method of key stroking.



Elective Classes (Continued)

Manufacturing: Product Design & Innovation A & B

Open To: 9,10,11,12

Credits: 1 / One Year

Grad Req: Elective

In this course students are introduced to theory and operation of manufacturing including manufacturing processes and equipment overview, manufacturing design, production process and flow, materials, machine operations and logistics.

Math Models A & B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Have you ever been “watched” by a store? It sounds creepy, doesn't it? Most stores have surveillance cameras on their premises to prevent goods from being stolen, but many stores watch their customers in another way. This involves collecting data on consumers to the point of “knowing” them. Some stores can even predict what you are going to purchase and offer you coupons or other promotions. Math Models with Applications, a one-semester course, focuses on data and its many uses in the real world. You will begin by discussing several types of graphs, which are ways to represent data. Next, you will explore strategies for interpreting data, methods for collecting data, and techniques for analyzing and using data. In conclusion, you will get an in-depth look at probability and probability models.

Mythology and Folklore

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Cunning animals. Since the first people gathered around fires, mythology and folklore has been used as a way to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore and see how these are still used to shape society today.

Nutrition and Wellness

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Learn how to fuel your body, maintain your emotional and physical health, and find your way around the grocery store and kitchen in Nutrition and Wellness. This course prepares you for a healthy life and provides you with the essential skills you need to plan and make healthy and delicious meals for you, your family, and your friends. You'll learn how to budget for your meals, shop for groceries, and fit cooking into a busy schedule of school, work, and other responsibilities.

Personal & Family Finance

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

How do our personal financial habits affect our financial future? How can we make smart decisions with our money in the areas of saving, spending, and investing? This course introduces students to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students will learn more about topics such as taxation, financial institutions, credit, and money management. The course also addresses how occupations and educational choices can influence personal financial planning, and how individuals can protect themselves from identity theft.



Elective Courses (CONTINUED)

Public Speaking 1A & 1B

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

The student will gain a basic understanding of public speaking and the basic elements of a speech. The student will learn strategies to effectively communicate, to adapt to different audiences, and to practice organizational methods to create engaging speech content. Throughout the course, the student will develop and present original speeches to classmates.

Reading and Writing for Purpose

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Context is the key to unlocking students' reading and writing abilities. Reading and Writing with Purpose personalizes students' experiences by placing its reading examples and writing activities in familiar contexts – personal, academic, and workplace. Guiding students through the reading and writing process, this course provides step-by-step instructions to breakdown each reading and writing skill, turning students into efficient readers and effective essay writers.

Real World Parenting

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. Learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships are some of the topics covered in this course.

Speech & Debate

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

Using video tutorials, students study verbal and nonverbal techniques—including those of famous orators—to use when presenting simple and complex ideas and when speaking to a group. Using an audiovisual tool to record their speeches, students learn how to speak persuasively, develop position statements, support their arguments, and think analytically. Brainstorming techniques, media analysis, research skills, and presentation strategies are also discussed.

Veterinary Science

Open To: 9,10,11,12

Credits: .5 / One Semester

Grad Req: Elective

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times, we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and



Health issues is studied and applied.
