

LAONA HIGH SCHOOL

2017-18 Curriculum Guide



MISSION STATEMENT

The School District of Laona,
Together with family and community,
Will provide our students the educational opportunities
To become productive citizens
In today's society.

SCHOOL DISTRICT OF LAONA

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Requirements for Graduation

<u>Subject</u>	<u>Credits</u>
English	4
Social Studies	3
-One credit must be Government	
-One credit must be Early US History or Modern US History	
-Must pass the Immigration Test	
Mathematics	3
Natural Science	3
Physical Education	1.5
Health	.5
Foreign Language (ending with class of 2020)	1
Business Ed/Tech Ed/Art	1
Electives	7
Total Credits Required:	24

Requirements for College Entrance

	Laona HS	UW Madison	Other UW Schools	UW Colleges	WI Private Colleges (credits may vary)
English	4 credits	4 credits	4 credits	4 credits	4 credits
Mathematics	3 credits	4 credits	3 credits	3 credits	3-4 credits
Science	3 credits	3-4 credits	3 credits	3 credits	3-4 credits
Social Studies	3 credits	3-4 credits	3 credits	3 credits	3-4 credits
Foreign Language	1 credit (ending with class of 2020)	3-4 credits			0-4 credits
Electives (core subjects, foreign language, fine arts, computer science, other)	7 credits	2 credits	4 credits	4 credits	2-4 credits

*Technical College Admission Guidelines based on individual programs

Coding of Courses

A letter and three digits precede each course title in this curriculum guide. The letter indicates the department. Letter designations of each department are as follows:

- A-** Art
- B-** Business
- C-** Music
- E-** English
- G-** Social Studies
- H-** Family and Consumer Science
- L-** Foreign Language
- M-** Mathematics
- P-** Physical Education/Health
- S-** Natural Science
- T-** Technology Education

For high school courses, the first digit of the three-digit sequence generally represents the earliest year in which a student is eligible to take the course (1-freshman; 2-sophomore; 3-junior; 4-senior). For middle school courses, the first digit of the three-digit sequence is always a zero (0), and the third digit of the three-digit sequence generally represents the year in which a student takes the course (1- 7th grade; 2- 8th grade; 3- both 7th and 8th grade).

Art

A003 Art

One Semester

0 High School Credits

Grades: 7,8

Prerequisite: None

Art courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities.

A101 Graphic Arts

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Graphic Arts is a class that teaches art and technology. In this class students will use a creative process and learn basic skills used in media and communication to design projects and works. Students will also explore various methods used to combine words, symbols, photography, and a brief introduction to animation/rotoscoping of images to create a visual representation of ideas and messages. Students will use the basic elements and principles of art and learn how to use the computer programs Adobe Photoshop, Adobe Illustrator. This class teaches the basics of Graphic Design through an illustrative and corporate/career view.

A102 Advanced Graphic Arts

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: A101 Graphic Arts

Advanced Graphic Arts courses emphasize applying the elements of art and principles of design used in the fields of advertising and commercial art. These courses offer experiences in promoting products or ideas through logos, layouts, illustrations, displays, and lettering and in using a variety of media, techniques, and processes. They also include preparing artwork for reproduction. Advanced Graphic Arts courses present a historical and contemporary view of advertising art and commercial art and provide instruction in the critique process.

A103 Drawing/Painting

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

Drawing/Painting courses provide a foundation in drawing and painting using a variety of media and techniques, emphasizing observation and interpretation of the visual environment. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative process and develop their own artistic styles.

A104 Art Appreciation

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Art Appreciation courses introduce students to the historical study of and foundation for many forms of art. These courses help students form an aesthetic framework to examine social, political, and historical events in the world and how visual images express the ideas of individuals and society.

A105 Art History

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected various periods of history. These courses may emphasize the sequential evolution of art forms, techniques, symbols, and themes. Art History courses also cover the relationship of art to social, political, and historical events throughout the world, while covering multiple artists, aesthetic issues, and the evolution of art.

A106 Art Metals Sculpture

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Art Metals Sculpture courses promote creative expression through three-dimensional works. These courses explore real and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. Art Metals Sculpture courses typically include the production of real and abstract sculptures while incorporating elements of art and principles of design, along with a study of historical and contemporary sculpture and sculptors from a worldwide perspective. These courses also provide instruction in the critique process.

A108 Creative Art

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Creative Art courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

A109 Photography

One Semester

.5 High School Credits

Prerequisite: None

Photography courses provide students with an understanding of photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the elements of art and principles of design. Photography courses may also include the history of photography, historic movements, image manipulation, critical analysis, and some creative special effects.

A110 Jewelry Making

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Jewelry courses help students apply elements of art and principles of design to the fabrication of small-scale objects and pieces of jewelry. These courses typically help students develop expressive and technical skills in creating jewelry, using art metals, and exploring design concepts in form and surface decoration. Courses present a historical and contemporary view of using art metals and other elements in jewelry design and provide instruction in the critique process.

A201 3D Art- Ceramics and Sculpture

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

3D Art- Ceramics and Sculpture courses provide students with a foundation in the history of ceramics, with an emphasis on critique, aesthetic inquiry, and creative production. These courses provide knowledge of ceramic techniques (e.g., kiln firing and glazing) and processes, with a focus on creative design and craftsmanship. Courses may include clay modeling, hand building, coil building, casting, and throwing on the potter's wheel.

A203 Advanced Drawing/Painting

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: A103 Drawing/Painting

Drawing/Painting courses provide a foundation in drawing and painting using a variety of media and techniques, emphasizing observation and interpretation of the visual environment. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative process and develop their own artistic styles.

A301 Independent Art

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Approval from Department Head

Visual Art—Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form or topic. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

Business Education

B001 Career Exploration and Business Writing

One Semester

0 High School Credits

Grades: 7

Prerequisite: None

This is a semester course that will help students start to look at career opportunities they may be interested in. Students will develop data to help determine what career path may be the one for them. They will research the credentials needed to achieve their career target. Students will look at post-secondary training or school options they will have to choose from and ways to make the best decision for their situation. Students will then develop resumes and other employment credentials and will develop examples they can work from in the future. Students will also explore and study interview skills and where to look for jobs. This is an exploratory class so they only get a taste of each area, but a much better understanding to help themselves with employment situations in the future.

B002 Exploring Finance and Economics

One Semester

0 High School Credits

Grades: 8

Prerequisite: None

This is a course that will be an exploratory level course to teach basic skills and general understanding of personal finance and economics. Students will discover at what age it is recommended for them to start a checking account, how to handle money and give change, be exposed to banking services available, what are economies of scale and why they are important, what role they play as a citizen to a community, why are taxes necessary, and how can we affect what happens in our communities. Finance and economics go hand in hand, but the relationship is often misunderstood; this class will help to clarify this relationship and what the roles of community members will be to keep a community strong.

B101 Microsoft Office

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

This class will focus on student development of skill in MS Word and Excel by learning how to utilize advanced word processing and spreadsheet, students will be developing 21st Century Skills they can transfer to the classroom, post-secondary learning, and the work force. Students will learn to produce flyers, brochures, and report documents using MS-word; they will design and develop spreadsheet tables using formatting tools and creating formulas to manipulate data in the tables. If the class progresses quickly they will learn how to use MS-access and create databases that can be used to organize and retrieve data. These are the tools of business today and the skills students will need to be competitive in the job market today.

B102 Introduction to Business

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

This course is for the student that wants to learn about the basic concepts involved in being an entrepreneur and learning about global and domestic economic concepts. The course will focus on exploring business in global society including the studying of basic economic concepts for individuals and society. Students will study how economic activity around the world can impact decisions made in the US by consumers and business. We will study the effects of business ethics and social responsibility, and the role a government can play in establishing and enforcing guidelines. Students will study concepts of the role of government in our economy, money and financial institutions, marketing in today's world, how advertising affects all of us, career planning, and how retail and e-commerce conduct business. We will cover a wide variety of topics to give students an overview of business and economics today. This course will allow students to develop basic skills and hopefully encourage them to want to learn more about business, economics, and how it affects their everyday lives.

B201 Marketing Principles

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: None

Marketing Principles will cover the marketing mix (four P's) and the 7 functions of marketing. We will break down each of these components and apply them to the marketing section of a business plan. Truth be told the marketing department is one of the biggest departments of almost every major business, and companies across the country spend billions of dollars a year to promote their products and services. This class will take a look at all the aspects of marketing a product or service as it would be presented in a business plan.

B202 Business Communications

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: None

This course explores the importance of good communication skills. This includes writing, speaking, and non-verbal. Effective communications is often overlooked and taken for granted because we have used the English language all of our lives. However, have you ever been misunderstood when trying to communicate a message; had someone taken something you said the wrong way; read an email or note and got upset just to find out the message was not meant that way. This can happen for a number of reasons including using the right words, the mood you were in when you wrote the communication, and the intent you wanted for an outcome. This course will cover communicating for success, grammar for successful communication, writing for successful communication, speaking successfully, the importance of reading and listening effectively, and writing reports, interviewing, and interviewing skills.

B203 Accounting

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: None

Students will study basic accounting principles and rules. Students will learn the fundamentals of accounting and its effects on a small business, generally accepted accounting principles, the accounting equation and how it is used to financially balance, how to interpret and record business transactions using the accounting equation, how to create business records and financial reports, and how to balance and adjust entries in the completion of the accounting process. Accounting will work within the guidelines of sole proprietorship and partnerships business formats. Accounting is a foundational business skill and is considered to be the language of the international business. This class will be valuable to any student seeking a career as an entrepreneur or in any general business position. Students will develop 21st Century learning skills by problem solving and interpreting business transactions and finding errors in balances that don't match. Students will be using spreadsheet software to create tables and solve accounting problems.

B301 Personal Finance

1 Semester

.5 High School Credits

Grades: 11, 12

Prerequisite: None

This is a course that every student could benefit from before they graduate. This course prepares you for life after high school. If you have ever wondered about any questions like how do I get a loan, how many credit cards should I have, what is a credit score, how do I get a credit score, how much insurance do I need, what types of insurance do I need, is saving and budgeting money important, how can I fund school after high school, what services do banks offer, and how do I make wise purchasing decisions? We will learn about all of this and more. Students will learn the power of using a spreadsheet when making personal financial decisions. We will learn how to use financial offense and defense to protect and get the most efficient use of our limited financial resources. Students will complete a checkbook simulation, study and complete tax forms, create a resume, cover letter, facts sheet, reference list for conducting a job or school search, interview for a position, and develop a personal budget sheet on a spreadsheet. Each student will need a flash drive to save their personally created material to take with them and use after they leave school and face the financial obstacles life will put in front of them.

B302 Publishing

2 Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: None

Students will apply many business principles including teamwork, communication, organization, and setting goals in the process of producing a yearbook. Students will develop marketing skill and devise a pricing plan, and a plan to attract advertisers. Students will create surveys and communication to gather research from the student body and advertisers. Students will contact advertisers to solicit ads in the yearbook. Students will use a variety of media and technology to create, design, and format the yearbook pages and then upload these pages to the book publisher. Students will collaborate on page development, meeting deadlines, and other aspects of creating the yearbook. The goal of this course will be to produce a quality yearbook at a fair price in an effort to get a yearbook to every student in Laona High School.

B303 Business Economics

One Semester

.5 High School Credits

Grade: 11, 12

Prerequisites: None

Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

B403 Work Study

Two Semesters

1 High School Credit

Grades: 12

Prerequisites: None

Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. Note: if the particular subject area is known, use the code associated with the Workplace Experience course within that subject area.

Music

C003 Band

2 Semesters

0 High School Credits

Grades: 7, 8

Prerequisite: None

General Band courses help students develop techniques for playing brass, woodwind, and percussion instruments and their ability to perform a variety of concert band literature styles. These courses may emphasize rehearsal and performance experiences in a range of styles (e.g., concert, marching, orchestral, and modern).

C101 Band

2 Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

General Band courses help students develop techniques for playing brass, woodwind, and percussion instruments and their ability to perform a variety of concert band literature styles. These courses may emphasize rehearsal and performance experiences in a range of styles (e.g., concert, marching, orchestral, and modern).

English

E001 English

2 Semesters

0 High School Credits

Grades: 7

Prerequisite: None

English Middle School courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

E002 English

2 Semesters

0 High School Credits

Grades: 8

Prerequisite: None

English Middle School courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

E004 Reading

2 Semesters

0 High School Credits

Grades: 7

Prerequisite: None

Reading (grade 7) courses build upon students' prior knowledge and skill in reading and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 7.

E005 Reading

2 Semesters

0 High School Credits

Grades: 8

Prerequisite: None

Reading (grade 8) courses build upon students' prior knowledge and skill in reading. Typically, these courses use various genres of literature to improve reading skills, and link exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8.

E101 English

2 Semesters

1 High School Credit

Grades: 9

Prerequisite: None

English (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

E201 English

2 Semesters

1 High School Credit

Grades: 10

Prerequisite: E101 English

English (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

E301 English

2 Semesters

1 High School Credit

Grades: 11

Prerequisite: E201 English

English (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

E401 English

2 Semesters

1 High School Credit

Grades: 12

Prerequisite: E301 English

English (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

Social Studies

G001 World Geography

2 Semesters

0 High School Credits

Grades: 7

Prerequisite: None

World Geography courses provide an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

G002 World History

2 Semesters

0 High School Credits

Grades: 8

Prerequisite: None

World History courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History courses may include geographical studies, but often these components are not as explicitly taught as geography.

G101 World History

2 Semesters

1 High School Credit

Grades: 9

Prerequisite: None

World History courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History courses may include geographical studies, but often these components are not as explicitly taught as geography.

G102 Early US History

2 Semesters

1 High School Credit

Grades: 9, 10

Prerequisite: None

Early U.S. History courses examine the history of the United States from the colonial period to the Civil War or Reconstruction era (some courses end after this period). Some courses include American history before European settlement, while others may begin at the formation of the new nation. These courses typically include a historical overview of political, military, scientific, and social developments.

G201 Modern US History

2 Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: None

Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments.

G202 Psychology

2 Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: None

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

G203 Sociology

2 Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: None

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

G401 Government

2 Semesters

1 High School Credit

Grades: 12

Prerequisite: None

U.S. Government courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

Family and Consumer Science

H002 Study Skills

2 Semesters

0 High School Credits

Grades: 7, 8

Prerequisite: None

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.

H003 Life Skills

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

H202 Tutoring

One or Two Semesters

.5 or 1 High School Credits

Grades: 10, 11, 12

Prerequisite: None

Tutoring courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

H301 Everyday Math and Wellness

One Semester

.5 High School Credits

Grades: 11, 12

Prerequisite: None

Students will learn some necessary life skills for when they are in college or living on their own.

Skills include how to cook basic meals and how to do measurements, how to stay healthy and fit while away from home, and how to do your own laundry.

Foreign Language

L101 Spanish I

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

Mathematics

M001 Math

Two Semesters

0 High School Credits

Grades: 7

Prerequisite: None

Mathematics (grade 7) courses typically emphasize proficiency in skills involving numbers and operations; measurement; patterns; functions; algebraic formulas; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 7.

M002 Math

Two Semesters

0 High School Credits

Grades: 8

Prerequisite: None

Mathematics (grade 8) courses typically emphasize proficiency in skills involving numbers and operations, measurement, patterns, simple functions, algebra, geometry, statistics, and probability. Specific content depends upon state standards for grade 8.

M003 Everyday Math

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

M101 Algebra I

Two Semesters

1 High School Credit

Grades: 8, 9

Prerequisite: None

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

M201 Geometry

Two Semesters

1 High School Credit

Grades: 9, 10, 11

Prerequisite: M101 Algebra I

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

M301 Algebra II

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: M101 Algebra I

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

M401 Pre-Calculus

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: M201 Geometry, M301 Algebra II

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

M404 Consumer Math

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: M101 Algebra I, M201 Geometry

Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Physical Education/Health

P003 Physical Education

Two Semesters

0 High School Credits

Grades: 7, 8

Prerequisite: None

Physical Education (grade 7 and 8) courses typically involve the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health.

P101 Health

One Semester

.5 High School Credits

Grades: 9

Prerequisite: None

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

P102 Team Sports

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Team Sports courses provide to students the knowledge, experience, and opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on).

P103 Weight Training

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

P104 Individual Sports

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Individual/Dual Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one individual or dual sport (such as tennis, golf, badminton, jogging/running, racquetball, and so on).

Natural Science

S001 Life Science

Two Semesters

0 High School Credits

Grades: 7

Prerequisite: None

Life Science courses cover the basic principles of life and life processes. These topics may include cells, species, ecosystems, reproduction, genetics, or other topics consistent with state academic standards for life science.

S002 Earth Science

Two Semesters

0 High School Credits

Grades: 8

Prerequisite: None

Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

S101 Physical Science

Two Semesters

1 High School Credit

Grades: 8, 9

Prerequisite: None

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

S201 Biology

Two Semesters

1 High School Credit

Grades: 9, 10

Prerequisite: Physical Science

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

S301 Chemistry

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: S201 Biology

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

S302 Environmental Science

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: S201 Biology

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

S401 Physics

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: S201 Biology

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

S402 Anatomy/Physiology

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: S201 Biology

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

Technology Education

T003 Industrial Arts

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

Industrial Arts courses expose students to the tools and machines that they may encounter in manufacturing-related occupations and enable them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) drawing and planning, electricity, graphic arts, woodworking, leatherwork, metalwork, plastics, and power technology. These courses typically cover general safety and career exploration as well.

T101 Woods I

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

Wood Processing/Production courses allow students to study the physical and chemical properties of woods and composites made from woods and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

T102 Welding

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

Welding courses enable students to gain knowledge of the physical and chemical properties, uses, and applications of various metals. Students gain skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes) and experience in identifying, selecting, and rating appropriate techniques. Students read and interpret blueprints in order to identify, select, and rate appropriate techniques. These courses may prepare students to pass relevant industry certifications.

T103 Tech Ninjas

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Media Technology—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to media technology. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

T104 Construction Systems

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Construction courses provide students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.

T105 Small Engines

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Small Vehicle Mechanics courses equip students with the knowledge and skill to repair and maintain engines in small vehicles (e.g., motorcycles, all-terrain vehicles, snowmobiles, and mopeds). Topics include (but are not limited to) maintaining frames and suspension, wheels and brakes, and drive trains; servicing fuel, exhaust, and electrical systems; performing tune-ups; and maintaining and repairing engines. Students may also learn safety on the job, employability skills, and entrepreneurship.

T201 Solidworks

One Semester

.5 High School Credits

Grades: 10, 11, 12

Prerequisite: None

Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry.

T202 Woods II

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: T101 Woods I

Wood Processing/Production courses allow students to study the physical and chemical properties of woods and composites made from woods and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

T203 Industrial Studies

One Semester

.5 High School Credits

Grades: 10, 11, 12

Industrial Arts courses expose students to the tools and machines that they may encounter in manufacturing-related occupations and enable them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) drawing and planning, electricity, graphic arts, woodwork, leatherwork, metalwork, plastics, and power technology. These courses typically cover general safety and career exploration as well.

T301 Woods III

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: T202 Woods II

Wood Processing/Production courses allow students to study the physical and chemical properties of woods and composites made from woods and to use these materials to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

T302 Advanced Welding

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: T102 Welding

Welding courses enable students to gain knowledge of the physical and chemical properties, uses, and applications of various metals. Students gain skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes) and experience in identifying, selecting, and rating appropriate techniques. Students read and interpret blueprints in order to identify, select, and rate appropriate techniques. These courses may prepare students to pass relevant industry certifications.

T401 Independent Study

One or Two Semesters

.5 or 1 High School Credits

Grades: 11, 12

Prerequisite: Approval from Department Head

Independent Study courses, often conducted with instructors as mentors, enable students to explore metalwork-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.

Online Courses

Advanced Web Design

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: Fundamentals of Web Design

The goal of this course is to provide students with the study of advanced topics in web design. Upon completion of this course, students should have a thorough knowledge of all areas of web page design. Topics include the web development process, advanced layout and design features, advanced study of scripting languages, site development with HTML editors, and web servers and databases.

Advertising & Sales Promotion

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

What comes to mind when you think of ‘marketing’? Perhaps a familiar television jingle plays in your head? Or maybe you think of those irritating sales phone calls? There’s no denying the sheer magnitude and power of the marketing industry. Every year companies spend approximately \$200 billion promoting their products and services—and that’s just in the United States alone! You may be familiar with being on the receiving end marketing, but what’s it like on the other side? In Advertising and Sales Promotions, you’ll see how these marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. You’ll learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.

African American History

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Over the course of U.S. history, how have African Americans helped shaped American culture? This African American History course answers that question by tracing the accomplishments and obstacles of African Americans beginning with the slave trade on up to the modern Civil Rights movement. What was it like during slavery, or after emancipation, or during the years of discrimination under Jim Crow? Who were some of the main figures who have shaped African American history? In this course, you'll learn about the political, economic, social, religious, and cultural factors that have influenced African American life, come face to face with individuals who changed the course of history, and explore how the African American story still influences current events today.

Agriscience II: Sustaining Human Life

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: Introduction to Agriscience

Have you ever strolled past a bright green cauliflower at the market and paused to ponder its unusual color? Ever wonder why "broccolini" is suddenly a thing? Well, if you find yourself curiously questioning these, and other, peculiar vegetables and wondering about the role of agriculture in the modern world, Agriscience II is for you. Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places. Food is our most essential resource; see how plant science will change the face of eating in the 21st century and give us the knowledge to continually improve our green thumbs.

Anthropology I: Uncovering Human Mysteries

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

What makes us human? Is it our ability to use language? Is it our abstract thinking skills or our use of tools and technology? In Anthropology 1: Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropologic lens to observe our movement from cave dweller to modern human. It sheds light on how we forged our way and developed all of the things that make us human, such as our cultures, languages, and religions. We, as humans in the 21st century, are highly intelligent, innovative people with astounding technological ability—how did we get this way.

Anthropology II: More Human Mysteries Uncovered

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: Anthropology I

How does your culture influence you? Find out how different locations shape various cultures and, in turn, how these cultures shape people's lives around the world—from the jungles of the Amazon to the islands of Indonesia. Anthropology II: More Human Mysteries Uncovered provides a fascinating look at this puzzle of culture. Many of our ancient cultures and languages were shaped by the geographical locations of our ancestors, and in this course, you will begin to visualize new ideas about how ancient cultures flourished through examining their views on life, death, art, and survival. In looking back and learning about cultures through the ages, we are better equipped to understand the world around us today.

Archaeology: Detectives of the Past

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

The famous Spanish philosopher and writer George Santayana once said, "Those who cannot remember the past are condemned to repeat it." We know from studying history how true this statement is, and the age-old field of archaeology helps us to better understand, through discovery and analysis, how ancient civilizations have shaped the modern world. This fascinating course, Archaeology: Detectives of the Past, explores the various techniques, methods, and theories of this field and illustrates how archaeologists conduct their studies. What is it like to uncover precious artifacts? How are they located and preserved? Find the answer to these questions and more as you learn how ancient discoveries can unlock the secrets of a long and colorful past.

Art in World Cultures

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Who do you think is the greatest artist of all time? Maybe Leonardo da Vinci? Michelangelo? Maybe a more modern artist like Claude Monet or Pablo Picasso? Or is it possible that the greatest artist of all time is actually someone whose name has been lost to history? In Art in World Cultures, you'll learn about some of the greatest artists in the world while creating your own art, both on paper and digitally. This course explores basic principles and elements of art and teaches you how to critique different art works art. And along the way, you will get to discover some traditional art forms from various regions of the world including the Americas, Africa, and Oceania.

Astronomy: Exploring the Universe

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

The universe is truly the last unknown frontier and offers more questions than answers. Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since humans first glimpsed into the vastness of the night sky, we have been fascinated with the celestial world of planets and stars. Astronomy: Exploring the Universe introduces you to the engaging world of astronomy. By using online tools, you will examine such topics as the solar system, space exploration, and the Milky Way and other galaxies. The course also explores the history and evolution of astronomy including those basic scientific laws of motion and gravity that have guided astronomers as they made their incredible discoveries of the universe.

Beginning Programming

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

The major goal of this course is for students to develop the computer science skills of algorithm development problem solving and programming. While the emphasis of the course will be on programming, students will also be introduced to other important topics such as; careers, the limits of computing, and the difference between interpreters and compilers.

Biotechnology: Unlocking Nature's Secrets

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

How is technology changing the way we live? Is it possible nature can provide all the answers to some of science's most pressing concerns? The fusion of biology and technology creates an amazing process and offers humanity a chance to significantly improve our existence through the enhancement of food and medicine. In Biotechnology: Unlocking Nature's Secrets, you'll learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved systems. Learn about the history of biotechnology and some of the challenges it faces today, such as resistant bacteria and genetically modified organisms in food. You will research new biotechnologies and understand firsthand how they are forever changing the world we live.

Calculus

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Precalculus

The Calculus course is a comprehensive look at the study of differential and integral calculus concepts including limits, derivative and integral computation, linearization, Riemann sums, the Fundamental Theorem of Calculus, and differential equations. Applications include graph analysis, linear motion, average value, area, volume, and growth and decay models.

Career Planning

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

In this 1/2-credit course, students will use an informative interactive process to explore career and life options that fit their individual interests, needs, and skills. Students begin with a thorough examination of their own interests, aptitudes, achievements, and personality styles. Then, they explore potential career matches, examining job market information, conducting informational interviews, and plotting training and educational paths. Along the way, students learn to craft effective resumes and letters, and to handle job interview situations.

Careers in Criminal Justice

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

Chinese I

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

Students begin their introduction to Chinese by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course and specific character practices are introduced after the first quarter. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Chinese-speaking regions, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Chinese II

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: Chinese I

Students continue their study of Chinese by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course and students are expected to learn several characters each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various Chinese-speaking regions, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Computer Fundamentals

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

In this introductory course, students will become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students will gain practice in using key applications such as word processors, spreadsheets, and presentation software, as well as understand social and ethical issues around the Internet, information, and security. First, you will focus on the fundamentals, learning and using the applications, and understanding the basic roles and responsibilities of the software, hardware, and operating systems. Then, you will expand your skills to gathering and analyzing data, and using the right tools and methods to collect and present data.

Concepts of Engineering & Technology

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

What if you could do the impossible? Engineers understand a lot of things, but the word *impossible* definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word *impossible* really exists.

Consumer Math

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Geometry

Cosmetology: Cutting Edge Styles

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? In Cosmetology: Cutting-Edge Styles, you will learn all about this often entertaining field and how specialized equipment and technology are propelling our grooming into the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course.

Creative Writing

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

In this course, students will explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. Students will study examples of writing through classic and contemporary selections and will apply that knowledge and understanding to their writing. In addition, students will develop an intimate understanding of the writing process and its application to various projects. As students move through the course, they will understand and evaluate the writings of others, and be able to apply the evaluation criteria to their own writing. By the end of the course, students will have created a well-developed portfolio of finished written works. Learning activities include reading; listening; discussing; writing; multiple choice games; self-check activities; and reflective journals. The unit structure includes the broader idea of the unit as defined by the main heading. Units will include a combination of activities and will culminate in a submittal of the finished unit project. Unit projects will be developed in phases throughout each section of the unit. Unit lessons and performance tasks have been scaffolded carefully to help students achieve deeper levels of understanding.

Criminology

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

Digital Citizenship

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

This one semester course introduces students to the rights and responsibilities of good digital citizenship. The guidelines for becoming a good digital citizen are grouped into three overarching categories: Respect, Connect, and Protect. Students will have the opportunity to learn these guidelines and practice skills which will allow them to navigate efficiently, effectively, and ethically through digital information.

Digital Photography I: Creating Images with Impact

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

In the digital photography course, students will learn creative photographic skills and processes. Students will build a portfolio of work and explore the fields of photography and graphic arts.

Digital Photography II: Discovering Your Creative Potential

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: Digital Photography I

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.

Early Childhood Education

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Want to have an impact on the most important years of human development? Students will learn how to create fun and educational environments for children, how to keep the environment safe for children, and how to encourage the health and well-being of infants, toddlers, and school-aged children.

Entrepreneurship: Starting Your Business

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

What does it really take to own your own business? Does the sound of being your own boss make you feel excited or anxious? Either way, Entrepreneurship: Starting Your Business will get you started in the right direction. This course explains the ins and outs of such an enterprise, giving you the confidence needed to be your very own boss. You will discover what is needed to operate a personal business from creating a plan, generating financing, and pricing products to marketing services and managing employees. If you've ever dreamed of being a true entrepreneur but feel daunted by the prospect, this is your chance to learn all you need to know.

Family & Consumer Science

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Everyone needs some type of support throughout his or her life. Remember when you were much younger and needed family and friends to provide you with much of what you needed? As you've grown older you've come to rely less on the support of others and will soon be providing for yourself and maybe your own family. When you grow older, you'll most likely once again need the support of your family and others in your community. This reciprocal support relationship is the focus of this unit. In it, you'll learn about conserving resources, taking care of the environment, contributing to your community, and how doing these things will help you to support yourself, your family, and future generations. It sounds complicated, but is rather simple. Let's take a look at how you can do it!

Fashion & Interior Design

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Do you have a flair for fashion? Are you constantly looking for new ways to decorate or design your room? If so, Fashion and Interior Design is the course for you. Explore the world of design and begin to understand the background and knowledge needed to develop a career in this exciting field. Try your hand at designing through a project-based process, learning how color, composition, and texture can all affect great aesthetics. You'll develop the essential communications skills necessary to build a successful business and begin to develop the kind of portfolio that will lead to future career opportunities. Perhaps it's time to get your stylish foot in the door.

Fitness Fundamentals

Two Semester

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

This course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

Food & Nutrition through the Lifespan

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

The goal of this course is to provide students with information about nutrition and good nutritional habits. Semester One discusses nutrition basics, healthy diets, special dietary needs, food safety and careers in nutrition. Semester Two discusses specific dietary needs throughout the lifespan from infancy to adulthood.

Forensic Science

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

In this course students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools including impressions from firearms tool marks arson and explosive evidence. Labs and case studies will help students understand how these techniques are applied to real crime scenes.

French I

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

Students begin their introduction to French by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

French II

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: French I

Students continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in French. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Fundamentals of Web Design

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

In this course students are introduced to the basics of web page design. Topics include information about the World Wide Web, copyright and eCommerce as well as website design. Students will be introduced to Microsoft Expression Studio as a tool for designing web pages.

Game Design

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

This course will introduce students to the basic skills necessary for game design. They will study the various games in the industry, analyzing their approach in design and development. The student will explore the processes and art of making game elements like story, levels, sound, user interfaces, and music. This analysis will include an orientation to the gaming market and innovative techniques' impact on it. Finally, the student will merge all these elements into a functional prototype showing their understanding of the game design process.

German I

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

Students begin their introduction to German by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various German speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

German II

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: German I

Students continue their study of German by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various German-speaking countries, and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in German. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Gothic Literature

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

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.

Great Minds in Science: Ideas for a New Generation

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Sometimes there are simply more questions than answers. Does life exist on other planets? How extreme is the human ability to survive? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions by using extensive inquiry to find innovative solutions. Similar to such famous minds from history as Edison, Einstein, Curie, and Newton, the scientists of today are finding ways to revolutionize our lives and the world. Great Minds in Science: Ideas for a New Generation takes an in-depth look at the extraordinary work of these individuals and demonstrates how their ideas may very well shape the world of tomorrow.

Health I: Life Management Skills

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Think about the healthiest person you know. What does that person do to stay healthy? While some parts of our health are determined by genetics and other factors out of our control, the reality is that each of us has the ability to impact our health in positive ways. In Health 1: Life Management Skills, you'll learn how to promote better health, less stress, and a fuller life for yourself. You'll explore lifestyle factors that can influence your health, from how you interact with others to how best to make decisions about your health care. You'll also have the opportunity to create a plan for improving your health, and you'll learn how to create a healthy environment with family and friends to help you achieve your health goals.

Health Careers I

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

In Health Careers I, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

Health & Personal Wellness

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

Health Science I: The Whole Individual

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and the measles identified and diagnosed? Health sciences provide the answers to questions such as these. 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.

Health Science II: Patient Care & Medical Services

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Challenging. Variable. Rewarding. These three words can be used to describe many careers in the health sciences. In this course, you will learn more about what it takes to be a successful health science professional, including how to communicate with patients. You'll explore the rights and responsibilities of both patients and health science professionals in patient care and learn more about how to promote wellness among patients and health care staffs. Finally, you'll learn more about safety in health science settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens.

History of the Holocaust

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

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, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

Hospitality & Tourism

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Think about the best travel location you've ever heard about. Now imagine working there. In the 21st century, travel is more exciting than ever, with people traversing the globe in growing numbers. Hospitality and Tourism: Traveling the Globe will introduce you to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around the world of leisure and travel, spotting trends, and planning tasteful events are just a few of the key aspects you will explore in this course as you locate your own career niche in this exciting field.

Human Geography: Our Global Identity

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Modern humans have been roaming the earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs and lifestyles? In Human Geography: Our Global Identity, you will explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Discover how beliefs and ideas spread through time, shaping and changing the cultures they encounter. In this course, you'll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.

Intermediate Programming

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: Beginning Programming

No matter how simple or complex a program is, the data in that program has to be stored and managed in some way. Variables are here to do it. In this module, you will learn about Java variables. A variable refers to the memory location that holds values like: numbers, texts, etc., in the computer memory. A variable is a name of location where the data is stored when a program executes.

Introduction to Agriscience

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

In this course, students will learn more about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students will also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

Introduction to Culinary Arts

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

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 Forestry & Natural Resources

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today.

Introduction to Manufacturing: Product Design & Innovation

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Think about the last time you visited your favorite store. Now picture the infinite number of products you saw. Have you ever wondered how those things made it to the shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Introduction to Manufacturing: Product Design and Innovation, you will learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! If you thought manufacturing meant mundane assembly lines, this course will show you how exciting, creative, and practical this industry can be.

Introduction to Military Careers

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Most of us have seen a war movie; maybe it had a hotshot aviator or a renegade private or a daring Special Forces operative. But outside of these sensationalized portrayals, do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine, and Introduction to Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. You will learn about the five military branches—Air Force, Army, Coast Guard, Marines Corps, and Navy—and examine which jobs you might like to pursue. From aviation, to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

Introduction to Philosophy: The Big Picture

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Go on an exciting adventure covering over 2,500 years of history! Along the way, you'll run into some very strange characters, like the dirty barefoot man who hung out on street corners pestering everyone with questions, or that eccentric fellow 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 world's most brilliant and influential thinkers and originated the fundamental ideas of Western civilization. Introduction to Philosophy: The Big Picture asks some of the same questions these great thinkers pondered, so 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.

Introduction to Renewable Technologies

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is *life*. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be something sustainable, renewable, and accessible? Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.

Introduction to Social Media

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

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 how to interact on social media platforms is crucial to surviving and thriving in this age of digital communication. In Introduction to Social Media, you'll learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit—personally, academically, and, eventually, professionally. 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.

Introduction to Women's Studies: A Personal Journey Through Film

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Maybe you grew up watching movies with female characters like Cinderella, Belle, Snow White, or Ariel. Maybe you've wondered why there are stereotypes about women being bad drivers or ignorant about sports. Maybe you want to know about feminism and the women's movement. The Introduction to Women's Studies: A Personal Journey Through Film can help you answer these questions. Though it focuses on the experience of women, it's appropriate for anyone who wants to learn to critically examine films while learning about the history of the women's movement and how gender, race, and social class influence us. Women have earned their right to stand up and be recognized as equal partners and reap the benefits of their hard work. As the anonymous quote goes, "History is Herstory too..

International Business: Global Commerce in the 21st Century

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Imagine meeting with suppliers at an office in Europe while calling your salesroom that's back in Asia. Imagine investing in foreign markets and visiting partners in exotic locales. With the evolution of current technology, our world is more connected than ever before, and the business community today is larger than ever. International Business: Global Commerce in the 21st Century will demonstrate just how you can gain the knowledge, skills, and appreciation to live and work in the global marketplace. You will begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of a global business in the 21st century.

Japanese I

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

This is a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the units of material, students learn to express themselves using an ever increasing vocabulary, present-form verbs, particles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Cultural information in the course will teach the student about Japanese culture, people, society, and history. The course is aligned to the national Foreign Language standards.

Japanese II

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: Japanese I

This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the units of material, students learn to express themselves using an ever increasing vocabulary, present-tense verbs and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the Japanese language and culture, people, life-style, geographical locations and histories. The course is aligned to the national Foreign Language standards.

Journalism: Investigating the Truth

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Are you always the first one to know what's going on at school or in your town? Maybe your Facebook or Instagram accounts are the reliable place for others to find the latest breaking news? If so, you are just the kind of person every online, print, and broadcast news outlet is searching for, and Journalism: Investigating the Truth is the perfect course for you! Learn how to write a lead that really "grabs" your readers, interview sources effectively, and write engaging news stories. You will explore the history of journalism and see how the modern world of social media can provide an excellent platform for news. Turn your writing, photography, and collaborative skills into an exciting and rewarding journalism career.

Latin I

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

There is a reason “all roads lead to Rome.” Maybe it is because Romans built much of the ancient world’s highway system. Maybe it is also because the Roman culture and Latin language laid the foundation for much of Western culture. In this course, students find out for themselves as they take their first steps on a lifelong journey of discovery. Students improve their command of the English language by studying Latin. Students also gain a better understanding of today’s laws and culture by getting into the Roman mind. Latin I is the most comprehensive way to begin. The purpose of this course is to give students a foundation in Latin grammar and vocabulary. This course also acquaints students with Olympic gods and with the everyday life of the typical Roman. The course sets the students’ feet on a journey as big as their imagination, with a passport to some of the world’s most exciting places.

Latin II

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: Latin I

A story of epic proportions. History-changing battles, great poets and statesmen, classic art and architecture, and a language that was heard throughout most of the known world. In Latin I, you read the opening credits of this epic movie. In Latin II, the plots and the characters that populated ancient Rome will come alive. In this course, you’ll build on your knowledge of Latin grammar and vocabulary. In the process, you’ll sense the beauty of the language and the passion of those who spoke it. Roman engineering, art, commerce and system of laws were all supported by a clear, expressive and flexible language - a language in which you will be able to communicate. This course will give you a solid grounding in the structure of the language. It will also give you a clear lens for looking into the heart and majesty of the Roman spirit.

Law & Order: Introduction to Legal Studies

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Imagine if there were no laws and people could do anything they wanted. It's safe to say the world would be a pretty chaotic place! Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Laws are essential to preserving our way of life and must be established and upheld in everyone's best interest. In Law and Order: Introduction to Legal Studies, you'll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all.

Life Skills

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

This course allows students to explore their personality type and interests, as well as refine important skills that will benefit them throughout their lives, including personal nutrition and fitness skills, time & stress management, communication & healthy relationships, goal setting, study skills, leadership and service, environmental and consumer health, and personal finances. In addition, students will explore possible colleges and careers that match their needs, interests, and talents.

Marine Science

Two Semesters

1 High School Credit

Grades: 9, 10, 11, 12

Prerequisite: None

As our amazing planet continues to change over time, it becomes increasingly apparent how human activity has made environmental impacts. In the marine science course, students will delve deep into Earth's bodies of water and study geologic structures and how they impact the oceans. Students will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems, and ongoing changes occurring every day in our precious ecosystems. Students will be amazed and enlightened at just how much our oceans and lakes affect climate, weather, and seasonal variations. They will have the opportunity to explore the relationships among living organisms and see how they are affected by our oceans currents, tides, and waves. Hold on, it is one amazing journey.

Media & Communications

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Medical Terminology

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations. They will examine medical terms from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions.

Music Appreciation: The Enjoyment of Listening

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

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 Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

Mythology & Folklore: Legendary Tales

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still used to shape society today.

National Security

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

Peer Counseling I

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Are you the person that people come to for advice? Does it seem that your friends always talk to you about their problems? If so, Peer Counseling may be the perfect course for you. It offers ways for you to explore this valuable skill and better understand how it can make a difference in the lives of others. Helping people achieve their personal goals is one of life's most rewarding experiences, and Peer Counseling will show you the way to provide support, encouragement, and resource information. Learn how to observe others as a Peer Counselor as you carefully listen and offer constructive, empathic communication while enhancing your own communication skills.

Personal Finance

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Understanding financial management concepts is an important life skill. From credit to insurance to taxes, it is imperative that students understand the consequences of their choices. Wisely managing their money, students become citizens that are more responsible. A thorough understanding of financial concepts, with practical application through activities and projects, will enable students to leave this course with applicable, useful skills for life. This course surveys the basic personal financial needs of most individuals and emphasizes the basics of budgeting, saving, checking, investments, credit, the wise use of insurance, and paying and preparing income tax returns. After high school, students face a world filled with possibilities, and the more knowledge they can acquire, the higher the probability that their financial future will be secure. Students taking this course will learn to better prepare for their financial futures.

Personal Psychology I: The Road to Self-Discovery

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Have you ever wondered why you do the things you do? Have you asked yourself if self-knowledge is the key to self-improvement? Are you interested in how behavior changes as we age? Psychology can give you the answers! In Personal Psychology I: The Road to Self-Discovery, you will trace the development of personality and behavior from infancy through adulthood. You will come to learn more about perception and consciousness and better understand the role of sensation. Are you ready to explore the world of human behavior? Come explore all that psychology can offer to help you to truly understand the human experience.

Personal Psychology II: Living in a Complex World

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: Personal Psychology I

Why do you sometimes remember song lyrics but can't remember where you left your phone, your keys, or even your shoes? How does language affect the way we think? Why is your personality so different from (or so similar) your brother's or sister's personality? Personal Psychology II: Living in a Complex World will you to explore what makes you 'you.' Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to dive right into the depths of who you are and how you got to be you, jump on board and start your exploration now.

Principles of Agriculture, Food and Natural Resources

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

Principles of Public Service: To Serve & Protect

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Ambulances scream along, heading toward those in need. But who makes sure someone is there to answer the 9-1-1 call? When you take a pill, who has determined that drug is safe for the public? All of these duties are imperative to our comfort and success as a society. Public service is a field that focuses on building a safe and healthy world, and in Principles of Public Service: To Serve and Protect you will be introduced to its many different career choices. The protection of society is not only one of our greatest challenges, it also provides ways for people to work together to ensure safety and provide indispensable services. If you've ever contemplated being one of these real-life heroes, now is the time to learn more.

Public Speaking

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Does the thought of speaking in front of people makes you break out in hives? Maybe you want tips on how to make that first great impression? In both cases, Public Speaking may be just what you need. In this class you will learn from famous orators, like Aristotle and Cicero, how to communicate effectively, uphold your arguments, and effectively collaborate with others. You'll master the basics of public speaking through practice—such as building a strong argument and analyzing the speeches of others—eventually learning to speak confidently in front of large groups. Grab your notes and get ready to conquer public speaking.

Real- World Parenting

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

The process of parenting is more than just having a child and making sure they eat, sleep and get to school on time. Learn what to prepare for, what to expect, and what vital steps a parent can take to create the best environment and life for their child. 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.

Restaurant Management

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Have you ever dreamed of running your own eatery? Maybe you've thought of collaborating with a famous chef to create an unforgettable dining experience? What goes on behind the restaurant dining room is a very different world than what goes on out front and really determines the success or failure of an establishment. Restaurant Management will show you exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit-down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step.

Social Problems I: A World in Crisis

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

War, crime, poverty, global warming—our world often seems full of dire warnings and predictions. How can we make sense of it all and still dare to step outside each day? Social Problems I: A World in Crisis will explore some of the biggest challenges facing our world today and prepare you to tackle them head-on. You'll learn what led to these social problems, what effects they have on our lives and societies, and what possible solutions exist for solving them. Whether you want to save the world from the next pandemic or better understand the effects of the media on society, this course will help you develop a plan of action.

Social Problems II: Crisis, Conflicts & Challenges

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: Social Problems I

It may seem like we live in a sometimes scary and ever-changing world. Everywhere we look—from the homeless living on the streets, to world-wide health epidemics, to the often negative effects of our global world—problems seem to appear at every corner. In Social Problems II: Crisis, Conflict, and Challenges, you'll explore more of the challenges we face and learn what we can do to reduce the effects of these conflicts and problems. From drug abuse to terrorists to the changing nature of communities in our digital world, we can better face and solve these problems when we have a deeper understanding of their causes and influences on our lives.

Spanish II

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: Spanish I

Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Sports and Entertainment Marketing

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Have you ever wished to play sports professionally? Have you dreamed of one day becoming an agent for a celebrity entertainer? If you answered yes to either question, then believe it or not, you've been fantasizing about entering the exciting world of sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, you'll have the opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You'll 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. If you've ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, then this course will introduce you to the fundamentals of such a career.

The Lord of the Rings

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

Theater, Cinema & Film Production

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

Lights! Camera! Action! Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. In Theater, Cinema, and Film Production, you'll learn the basics of lighting, sound, wardrobe, and camerawork while examining the magic that happens behind all the drama. Delve into the glamorous history of film and theater, and examine the tremendous influence these industries have had on society and culture over the years. During this unit, you'll discuss and analyze three classic American films—*Casablanca*, *Singin' in the Rain*, and *The Wizard of Oz*—to help you learn how to critique and appreciate some of the most famous dramas of all time.

Veterinary Science

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

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.

World Language Survey

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

In this World Languages course students will be introduced to 6 different languages within 18 weeks. The languages in this course include Spanish, French, German, Latin, Chinese and Japanese. Each language will be taught in a period of 3 weeks. This multilingual course is designed to give students an opportunity to gain understanding of a language that they might want to further study in the future. Each language is equally represented, thus allowing the student to conceptualize and practice the language one at a time. The course takes a multi-perspective approach for teaching the culture of the people that speak the language along with fundamental communication skills in the target language. Activities that engage students and make language learning exciting and fun will be incorporated to build acquisition. The languages will be taught using the communicative method which combines listening, speaking, reading and writing in the target language with the use of multimedia resources.

World Religions: Exploring Diversity

One Semester

.5 High School Credits

Grades: 9, 10, 11, 12

Prerequisite: None

From Taoism, to Islam, to Christianity, religion inevitably affects us all in some way. On one level, religion can help us commune with and honor our spiritual natures, but it can also divide people and create great strife in the world. World Religions: Exploring Diversity will explore the various characteristics of faith and introduce the fundamentals of the major religions, including Judaism, Islam, Christianity, Buddhism, Confucianism, Hinduism, Shintoism, and Taoism. You'll trace how these powerful faiths have influenced cultures over thousands of years and helped to

shape the face of humanity. After this course, you'll have a clearer understanding of how religion continues to affect the larger world.

Online AP Courses

AP Art History

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: World History, Department Head Approval

This course is designed to provide college-level instruction in art history and prepare students for the AP exam in early May. This course is divided into two 18 week semesters during which the students will examine major forms of artistic expression from the past and present and from a variety of cultures. Students will learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience.

AP Biology

Two Semesters

1 High School Credit

Grades: 12

Prerequisite: Biology, Chemistry, Algebra I, (Algebra II Strongly Recommended), Department Head Approval

This course guides students to a deeper understanding of biological concepts including the diversity and unity of life, energy and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms, as well as interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on and virtual laboratory experiments, and practice assessments. These activities are designed to help students gain an understanding of the science process and critical thinking skills necessary to answer questions on the AP Biology Exam. The content aligns to the sequence of topics recommended by the College Board.

AP Calculus AB

Two Semesters

1 High School Credit

Grades: 12

Prerequisite: Geometry, Algebra II, Precalculus, Department Head Approval

AP Calculus AB is a two-semester course in which students study functions, limits, derivatives and integrals. This document outlines the topics and subtopics that are covered in each chapter/unit. Throughout the course, students write and work with functions represented by written descriptions, mathematical rules, graphs and tabular data. Students develop and practice skills using a graphing calculator to solve problems, experiment, interpret results, and support their conclusions. Students learn the meaning of the derivative and apply it to a variety of problems while developing a deeper understanding of the meaning of the solutions to those problems. Students study integrals and learn about the relationship between the derivative and the definite integral, using written work and graphing technology to explore and interpret this relationship. Students discover how calculus is used to model real-world phenomena by using functions, differential equations, integrals, and graphing technology to solve problems, support solutions, and interpret findings. Students communicate about mathematics through written work and discussion forums with peers that are monitored by the teacher. Asynchronous and synchronous discussion activities throughout the course provide multiple opportunities for students to interact with each other and share ideas about math problems and problem-solving strategies. Discussions include opportunities for students to work in small groups where they collaborate on specific assignments. The syllabus outline indicates where these discussions occur and what the topics are. The teacher hosts and facilitates weekly synchronous sessions with students who are enrolled in this course. In these regularly scheduled sessions, students communicate with each other and the teacher about course content and assignments. These synchronous sessions allow for timely verbal dialogue about AP Calculus AB content and course assignments. As needed, the teacher guides students through appropriate explanations of assigned problems and solution sets. Helpful guidelines for these sessions are provided to the teacher. The content of this course aligns with College Board frameworks and College Board approved textbooks.

AP Calculus BC

Two Semesters

1 High School Credit

Grades: 12

Prerequisite: Geometry, Algebra II, Precalculus, Department Head Approval

AP Calculus BC is a two-semester course in which students study functions, limits, derivatives, integrals, and infinite series. This document outlines the topics and subtopics that are covered in each chapter/unit. Throughout the course, students write and work with functions represented by written descriptions, mathematical rules, graphs and tabular data. Students develop and practice skills using a graphing calculator to solve problems, experiment, interpret results, and support their conclusions. Students learn the meaning of the derivative and apply it to a variety of problems while developing a deeper understanding of the meaning of the solutions to those problems. Students study integrals and learn the relationship between the derivative and the definite integral, using written work and graphing technology to explore and interpret this relationship. Students discover how calculus is used to model real-world phenomena by using functions, differential equations, integrals, and graphing technology to solve problems, support solutions, and interpret findings. Students communicate mathematics to the teacher through course participation and written work and to peers through a discussion forum monitored by the teacher. Students communicate about mathematics through written work and discussion forums with peers that are monitored by the teacher. Asynchronous and synchronous discussion activities throughout the course provide multiple opportunities for students to interact with each other and share ideas about math problems and problem-solving strategies. Discussions include opportunities for students to work in small groups where they collaborate on specific assignments. The syllabus outline indicates where these discussions occur and what the topics are. The teacher hosts and facilitates weekly synchronous sessions with students who are enrolled in this course. In these regularly scheduled sessions, students communicate with each other and with the teacher about course content and assignments. These synchronous sessions allow for timely verbal dialogue about AP Calculus BC content and course assignments. As needed, the teacher guides students through appropriate explanations of assigned problems and solution sets. Helpful guidelines for these sessions are provided to the teacher. All students enrolled in this course are assigned to a “section” with a qualified teacher who is responsible for ensuring student success and addressing student questions, problems, and concerns. In addition, each student must have a mentor available at their school or at home to support the student and make sure assignments are completed in a timely manner. The content and reference materials for this course align with College Board frameworks and College Board approved textbooks.

AP Computer Science

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Algebra II, Department Head Approval

Develop the skills required to write programs or parts of programs to correctly solve specific problems. You will learn design techniques to make programs understandable, adaptable, and reusable. This course provides elective credit only.

AP English Language

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Department Head Approval

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The college composition course for which the AP English Language and Composition course substitutes is one of the most varied in the curriculum.

AP English Literature

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Department Head Approval

This is a college level class that ultimately prepares students for the Advanced Placement exam in May. In addition, it provides students with other skills associated with the most advanced classes in high school English, including research skills. When they have completed the class, students will have acquired the reading and critical thinking skills necessary for understanding challenging new material, analyzing that material to deduce meaning, and applying what they have learned to our world. They will have the composition skills needed to communicate their understanding effectively to a variety of audiences. Students will read and analyze classic works of literature because these works contain literary qualities that merit study and provoke thinking, not because of a requirement to know a particular work or author. They will also look at modern and contemporary works as they examine all genres: plays, short stories, poetry, essays, and novels. Students will learn to apply critical literary terms as tools for learning, understanding, and communication. Learning activities include close reading, paraphrasing, discussions, essays, short answer exams, research papers, reflective journals, web quests, oral presentations, and others. The unit structure below identifies the main headings of the units only. Most units will include a combination of genres and activities. The structure to the class is not based upon a sequence of chronology, national origin, or genres. It is instead based upon the sequence that best supports the learning needs of the student.

AP Environmental Science

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Algebra I, Department Head Approval

The goal of AP Environmental Science is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world and to identify and analyze environmental problems that are natural and human-made. Students will evaluate the relative risks associated with these problems and examine alternative solutions for resolving or preventing problems. Laboratories support student content mastery in both hands-on and virtual experiences.

AP French

Two Semesters

1 High School Credit

Grades: 12

Prerequisite: French I, French II, Department Head Approval

Our online AP French Language course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP French Language course prepares them for the AP French exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience requiring the use of French exclusively. The online learning coach only uses French to communicate with students. In addition, all the reading, listening, speaking and writing is in French.

AP Human Geography

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: Department Head Approval

The AP® Human Geography 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, methods, and tools to examine human social organization and its effect on the world in which we live. Students are challenged to use maps and geographical data to examine spatial patterns and analyze the changing interconnections among people and places.

AP Macroeconomics

One Semester

.5 High School Credits

Grades: 11, 12

Prerequisite: Department Head Approval

You have been called upon to assist the leader of the Macro Islands who is running for reelection next year. The economy is in shambles, and you need to come up with some feasible solutions. This will not only help the people of the Macro Islands but will also ensure a victory for your employer. You were hired over the Internet and received a first class ticket to the Macro Islands where you can learn first-hand about the situation. You arrive at Pineapple Airport in the middle of the day and are met by a man with a briefcase who is holding a sign with your name on it. You approach the man and introduce yourself. "I'm Mr. Scarcity," he says. "I'll be your guide as you learn about the economic situation of the islands. You need to learn everything you can about both macroeconomics and our Macro Islands for your presentation to our island leader in May." (Your AP Exam.)

AP Microeconomics

One Semester

.5 High School Credits

Grades: 11, 12

Prerequisite: Department Head Approval

You traveled to the Macro Islands to assist the leader in winning re-election. You came for a job, but you realized as you were working that you loved the islands and wanted to make your home there. Because you are adept at giving economic advice to the leader, you have been appointed as the new President of the Sunny Seas Shell Company. As part of your role in assuming the leadership duties of the company, you will need to brush up on microeconomics. The Board of Directors has appointed Ms. Equilibrium to act as your personal assistant and advisor as you transition into your new role. You will be learning all you can about microeconomics and will be required to exhibit your knowledge in May at the annual Board of Directors' meeting (the AP Exam).

AP Physics I

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Department Head Approval

The goal of this algebra-based course is to present concepts and provide lab experience which will allow students to explore basic Physics problem solving skills, One and Two Dimensional Kinematics, Newton's Laws, Energy, Momentum, Rotational and Harmonic Motion, Gravity, Waves and basic Electric Circuits.

AP Physics II

Two Semesters

1 High School Credit

Grades: 12

Prerequisite: AP Physics I, Department Head Approval

The goal of this algebra-based course is to present concepts and provide lab experience which will allow students to explore Fluid Mechanics, Thermal Physics. Electricity, Magnetism, Optics and Atomic and Nuclear Physics.

AP Psychology

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Department Head Approval

This course is a survey of psychology that introduces students to the major topics of the field, the terminology and methodology of psychology, and the historical and current understanding of human behavior and thought-processes. Students learn to analyze human experiences like psychologists do and to apply what they have learned to the world around them. The focus of the course is to prepare students to take the Advanced Placement Psychology course administered by the College Board in the spring of each year.

AP Spanish

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: Spanish I, Spanish II, Department Head Approval

AP Spanish Language and Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP Spanish Language and Culture course prepares students for the College Board's AP Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive, and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish.

AP Statistics

Two Semesters

1 High School Credit

Grades: 12

Prerequisite: Department Head Approval

Statistics are used everywhere from fast food businesses ordering hamburger patties to insurance companies setting rates to predicting a student's future success by the results of a test. Students will become familiar with the vocabulary, method, and meaning in the statistics which exist in the world around them. This is an applied course in which students actively construct their own understanding of the methods, interpretation, communication, and application of statistics. [C4] Each unit is framed by enduring understandings and essential questions designed to allow students a deep understanding of the concepts at hand rather than memorization and emulation. Students will also complete several performance tasks throughout the year consisting of relevant, open-ended tasks requiring students to connect multiple statistical topics together. [C4] The TI83+/ 84 OR 89 calculator and computers will be used to explore the world of data and the patterns which can be found by analyzing this information as well as statistical relationships. [C5] General topics of study include "exploring data," "planning and design of a study," "anticipating patterns," and "statistical inference."

AP US Government & Politics

Two Semesters

1 High School Credit

Grades: 11, 12

Prerequisite: US History, Department Head Approval

This course presents an analytic perspective on American politics. The course introduces students to the ideals, institutions, and processes that direct the daily operations of our government and shapes our public policies. Students will use a variety of theoretical perspectives and explanations to interpret and analyze the political landscape to develop a better understanding of the strengths and weaknesses of our system of government.

AP US History

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: Department Head Approval

Investigate the people, events, and ideas that have shaped the United States from the end of the Civil War through today while applying what you learn to real-world problems.

AP World History

Two Semesters

1 High School Credit

Grades: 10, 11, 12

Prerequisite: Department Head Approval

This academically rigorous advanced placement course is commensurate to an introductory college-level course with an emphasis on non-Western history. The course relies heavily on college-level readings and primary source materials. A special emphasis will be placed on historical writing through expository essay and document-based questions (DBQ). The scope and rigor of this AP World History course will help prepare students for the College Board AP World History Exam along with further educational pursuits. Students will cultivate a solid understanding of the integration of]They will also develop skills in note taking, analyzing sources, making inferences, drawing conclusions, researching, and presenting information. The two-semester course aligns with College Board requirements.

Online Middle School Course

Descriptions

2D Studio Art

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

Close your eyes and imagine you're standing in an art studio—the smell of paint, the heat of the kiln, and the infinite creative possibilities that linger in the air. This is where art is born, and in 2D Studio Art, you'll learn how to bring your art visions to life. Whatever medium you prefer—painting, drawing, photography—this course will teach you the design elements and principles needed to create a work of art, explore your artistic inspirations, travel back in time to look at art in different cultures, and gain insight about the art of critiquing. If you've ever dreamed about making a living as an artist, this course will give you the tools and background that you need to turn those dreams into a reality.

Civics

Two Semesters

0 High School Credits

Grades: 7, 8

Prerequisite: None

Learning about civics gives the student the skills and knowledge necessary to be an active citizen, making a positive impact, in the student's community. In this course, the student will discover the rights and responsibilities of citizenship in the United States. The student will learn about the structure of the government and how it works at the local, state, and federal levels. This course examines elections, the lawmaking process, and how citizens can impact public policy. The student will also discover ways the United States interacts with countries around the world. Geography and economics supports the learning of civics in this course. Engaging in this study prepares the student to become a more informed citizen who is ready to participate in American democracy!

Digital Art and Design

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

There are so many different types of art in this world—fine art, classical art, visual art—but the impact of digital art and design is all around us, often in ways that you probably aren't even aware of! After taking Digital Art and Design, you'll enjoy a deeper understanding and appreciation for all things digital as you explore this special genre of art found in everything from advertising to animation to photography and beyond. In this course, you'll learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society. Additionally, you will actually create your own digital art and make it come alive. Give your creative side a boost with this Digital Art and Design course.

Exploring Music

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

What comes to mind when you hear the word 'music'? Do you think about your favorite band or artist? Do you think about instruments and scales and chords? The word 'music' means something different to everyone. This is why in Exploring Music there is a little bit of something for everyone! You will learn about how we hear music and how music affects our lives. You will explore important elements of music like rhythm, pitch, and harmony, as well as different musical genres. You will discover more about your singing voice and musical instruments and composition while taking in the history and culture of music over the years. Tune up your understanding and appreciation for all things music by signing up for this course.

French I

Two Semesters

0 High School Credits

Grades: 7, 8

Prerequisite: None

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. Students begin their introduction to French by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

French II

Two Semesters

0 High School Credits

Grades: 8

Prerequisite: French I

Students continue their language-learning adventure by progressing to this next level of middle school French. Throughout the course students focus on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

German I

Two Semesters

0 High School Credits

Grades: 7, 8

Prerequisite: None

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. Students begin their introduction to German by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various German-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

German II

Two Semesters

0 High School Credits

Grades: 8

Prerequisite: German I

Students continue their language-learning adventure by progressing to this next level of middle school German. Throughout the course students focus on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various German-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Journalism

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

Are you someone who likes to get the story straight? Do you always want to know more? Who? What? When? Where? How? These are the details that make for a great story. Knowing how to find these key facts and then write them up in a way that makes it easy for others to read about it is the skill of a true journalist. In *Middle School Journalism: Tell Your Story*, you'll learn how to ask the right questions, look for the details, and find the story in any situation. You'll learn how to gather information effectively, organize ideas, format stories for media production, and edit your articles. Get ready to break that news.

Photography

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

What do you think makes a photograph great? Do you want to take fun, interesting photographs of people, places, and pets to post for your friends or hang on your wall? Photo images are everywhere today. Sometimes we see hundreds in one day. But it's obvious that not all photographs are the same—some are definitely cooler than others. In *Middle School Photography: Drawing with Light*, you'll learn how to take those excellent, jaw-dropping photographs that you see in magazines and on your favorite social media sites. You'll learn the basics of using a camera and how to avoid common photography mistakes. Once you get the hang of this process, you'll be taking photos that will amaze your friends and have them wondering how you do it.

Spanish I

Two Semesters

0 High School Credits

Grades: 7, 8

Prerequisite: None

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. Students begin their introduction to Spanish by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Spanish II

Two Semesters

0 High School Credits

Grades: 8

Prerequisite: Spanish I

Students continue their language-learning adventure by progressing to the next level of middle school Spanish. Throughout the course students focus on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

US History

Two Semesters

0 High School Credits

Grades: 8

Prerequisite: None

Learning about history allows us to see how far we have come and what awaits us on our path to the future. In this course, you will explore the history of the United States and analyze the cause and effect in historical events. You will investigate history by using the tools of a historian to examine the historical, geographic, political, economic, and sociological events that influenced the development of the United States. You will imagine what it was like to live in the past by reading the stories from the people who experienced it. This course begins with the engaging stories that brought the earliest American colonists to the New World and ends with the struggles to repair the United States following the Civil War. Engaging in this study will allow you to recognize the themes of history that span across centuries and will lead to a greater appreciation of the development of the United States and the resulting impact on world history.

World Language Survey

One Semester

0 High School Credits

Grades: 7, 8

Prerequisite: None

In this World Languages course students will be introduced to 6 different languages within 18 weeks. The languages in this course include Spanish, French, German, Latin, Chinese and Japanese. Each language will be taught in a period of 3 weeks. This multilingual course is designed to give students an opportunity to gain understanding of a language that they might want to further study in the future. Each language is equally represented, thus allowing the student to conceptualize and practice the language one at a time. The course takes a multi-perspective approach for teaching the culture of the people that speak the language along with fundamental communication skills in the target language. Activities that engage students and make language learning exciting and fun will be incorporated to build acquisition. The languages will be taught using the communicative method which combines listening, speaking, reading and writing in the target language with the use of multimedia resources.