



Course Catalog

2023-2024

Middle School

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Middle School

Math

Math 6 A/B

Students connect ratio and rate to whole number multiplication and division and also use the concepts of ratio and rate to solve problems. In addition, they expand their ability to divide fractions and to write, interpret, and apply expressions and equations. They also develop an understanding of statistical thinking.

Math 7 A/B

Math 7 Students build on their knowledge of proportional relationships and operations with rational numbers. They solve real-world problems involving scale drawings, geometric constructions, area, surface area, and volume. Students also draw inferences about populations based on samples.

Algebra Readiness (Pre-Algebra) A/B

Algebra Readiness (Pre-Algebra) Students prepare for algebra as they expand their understanding of expressions and equations. They solve linear equations and systems of linear equations, use functions to describe quantitative relationships, and analyze two- and three-dimensional space and figures.

Algebra 1 (Full year – High school level course)

Language Arts

Language Arts 6 A/B

Through the study of authors such as Elizabeth Partridge, Gary Soto, and Langston Hughes, students ponder such questions as “Is conflict always bad?”; “How do we decide who we are?”; and “How much do our communities shape us?” Short-term research engages students’ curiosity and critical-thinking skills. Students are encouraged to support their ideas with evidence as they practice narrative, informative, and persuasive writing.

Language Arts 7 A/B

By studying authors such as Amy Tan, Emily Dickinson, and Laurence Yep, students ponder such questions as “Does every conflict have a winner?”; “What is the best way to communicate?”; and “Do others see us more clearly than we see ourselves?” Short- and long-term research engages their curiosity and critical-thinking skills. Students are encouraged to integrate knowledge and ideas into their work as they practice narrative, informative, and persuasive writing.

Language Arts 8 A/B

Through the study of authors such as Nikki Giovanni, Elie Wiesel, and Mark Twain, students ponder such questions as “Can all conflicts be resolved?”; “Is it our differences or our similarities that matter most?”; and “Are yesterday’s heroes important today?” Students exercise their curiosity and critical-thinking skills through short- and long-term research. They refine and reinforce their skills by practicing narrative, informative, and persuasive writing.

Science

Science 6 A/B

This media-rich science course enables students to engage actively in inquiry-based investigations and science, technology, engineering, and math (STEM) projects, as well as cross-disciplinary and cross-curricular activities. Students are encouraged to make connections, collaborate, and reflect on their learning as they work through the content.

Science 7 A/B

This media-rich science course enables students to engage actively in inquiry-based investigations and science, technology, engineering, and math (STEM) projects, as well as cross-disciplinary and cross-curricular activities. Students are encouraged to make connections, collaborate, and reflect on their learning as they work through the content.

Science 8 A/B

This media-rich science course enables students to engage actively in inquiry-based investigations and science, technology, engineering, and math (STEM) projects, as well as cross-disciplinary and cross-curricular activities. Students are encouraged to make connections, collaborate, and reflect on their learning as they work through the content. As students advance through the courses, they receive an internationally benchmarked science education that covers the topics listed below. Because each course is designed to meet state-based standards, the sequence of content will vary by state and may include the following:

· Structure of the cell · Organism systems and information processing in the body · Transfer of matter and energy in organisms and ecosystems · Interdependent relationships in ecosystems · Natural selection and adaptations · Growth, development, and reproduction of organisms · Earth and space systems · Earth's surface and interior processes · Weather and climate · Human impact on Earth · Structure and properties of matter · Chemical reactions · Forces, energy, and motion · Waves and electromagnetic radiation

Science and Technology

Science and Technology In this course, the student will explore the skills used by scientists as they apply the scientific method and investigate careers that would allow them to use those skills. Units of measurement and math calculations are practiced throughout as students explore the mathematics and tools that are part of multiple branches of science. To study the technologies employed by scientists, the student will explore the history of technology, the technology design process, and analyze the impact that technological advances have had on society.

Social Studies

Social Studies 6 A/B

Students focus on ancient civilizations. They begin by understanding a historian's role and utilizing the tools and skills he or she would use, including analyzing timelines, studying geography, and evaluating multiple sources. Students trace how societies shifted from hunting and gathering to farming. They also trace the development of ancient China, India, Mesopotamia, Egypt, Greece, and Italy. Students enhance their critical thinking by interpreting primary sources and reading eyewitness accounts to draw conclusions.

Social Studies 7 A/B

7 Students study political, economic, and social changes from the fifth century to modern times. They utilize their critical-thinking skills by making connections between historical events, such as the rise and fall of empires and the rise of democracy, and by analyzing long-term changes and recurring patterns in world history. Students complete a

comprehensive study of the history, geography, and cultures of nations in North and South America. Thinking as historians, they analyze timelines, read primary source documents, form hypotheses, and draw conclusions.

Social Studies 8 A/B

In this course, students study the history of the North American continent. The course covers the early cultures that thrived in the Americas for thousands of years, the European exploration and colonization of the continent, and the subsequent rise of the United States. Students learn about the Civil War and the Reconstruction that followed. The course traces the advances made over the last century and a half and the role the United States has played in a changing world.

Arts

Art 6 A/B

The middle school art program is organized around the three artistic processes of creating, presenting, and responding. In addition, the program emphasizes how art and design can drive innovation in the same way science, technology, engineering, and mathematics do. Throughout the courses, students use various media and techniques to construct projects, collaborate with peers, and critique their own work as well as the work of other artists.

Art 7 A/B

In Art 7, students explore the wide range and variety of visual arts. They learn the basic elements of art and principles of design and apply them in their own creative ways. The course culminates in a study of factors involved in evaluating and critiquing art.

Art 8 A/B

In Art 8, students consider the preservation and protection of art. They then explore how international, national, and local art influences ideas, actions, cultures, and environments. Using this information, students build their own ideas of the role art plays in their lives.

Middle School Digital Art & Design

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 way that people probably aren't even aware of! After taking Digital Art and Design, the student will enjoy a deeper understanding and appreciation for all things digital as he explores this special genre of art found in everything from advertising to animation to photography and beyond. In this course, the student will learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society. Additionally, the student will actually create original digital art and make it come alive. The student will give his creative side a boost with this Digital Art and Design course!

Music

Exploring Music I

Designed for students in grades 6–8, this course teaches fundamental musicianship skills approached from a Western-Classical style, while aligning to National Core Arts Standards. The course challenges the student to improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience for the student.

Exploring Music II

Designed for students in grades 6–8, this course reviews and expands fundamental musicianship skills approached from a Western-Classical style, while aligning to the National Core Arts Standards. The student will review and expand basic skills and concepts of rhythm and notation that were introduced in Exploring Music I. The student will use classic repertoire to analyze compositional style and improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience. Exploring Music I is a prerequisite for this course.

Exploring Music III

Designed for students in grades 6–8, this course enhances the student’s knowledge of musical cultures as he or she discovers a musical identity. Aligning to the National Core Arts Standards, this course provides the student with engaging opportunities to combine musical knowledge with an exploration of different art forms to create new personal works. The student will apply foundational knowledge of music to a variety of musical styles and cultures. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience. Exploring Music I and Exploring Music II are prerequisites for this course.

World Languages

Middle Chinese I & II

Students have the opportunity to “see it, hear it, say it, and write it” as they interact with content and communicate with native speakers of Mandarin Chinese throughout the courses. Familiar characters introduce students to lesson content and serve as tour guides as students visit the Great Wall, meet pandas in Sichuan, and celebrate the Lantern Festival.

Middle Spanish I & II

These courses introduce students to Spanish language and culture. Student guides share information on topics such as family and friends, home, food, clothing, and neighborhoods. Culture is presented throughout the courses to help students make connections between their culture and the culture of people in the Spanish-speaking world. Opportunities for students to communicate with native speakers throughout these courses provide a real-world context.

Middle Sign Language

This course introduces students to the fundamentals of American Sign Language. They explore vocabulary, grammar, and conversation by using basic signing and fingerspelling techniques. Special activities and exercises help students understand the culture of the deaf and hard-of-hearing community.

Health and Physical Education

Health and Physical Education 6

In this course, students will meet a crew of virtual characters that will help them explore health and understand fitness. Among them is Coach Cardio, who will help students measure their growing fitness level by learning to keep their bodies physically fit. Students will complete various projects as they learn about themselves, fitness and the world around them.

Health and Physical Education 7

In this course, students will reach new levels of fitness through sports, dance, aquatics, and more. Course characters will help guide and enhance their experience. Students will learn safety rules for exercises to improve their skills, how different activities target different parts of their body, and how to reach new goals.

Health and Physical Education 8

This course will provide students practice in game strategy, sport skills and performance. Students will discover the diversity of sports, nutrition, and peer pressure, while learning how to make effective decisions.

High School

Minimum Credit Requirements:

English	4.0	credits
Mathematics	3.0	credits
Social Studies	3.0	credits
Science	3.0	credits
Physical Education	1.5	credits
Health	0.5	credits
Electives	8.5	credits
	23.5	credits

Course Number	Course Name	Grade Offered	Page	Number of Credits
Mathematics <i>Graduation Requirement = 3.0 Credits</i>				
0730	Pre-Algebra A/B			1.0
0700	Algebra 1 A/B	Meets Requirement	12	1.0
0715	Algebra 2 A/B	Meets Requirement	12	1.0
0708	Geometry A/B	Meets Requirement	12	1.0
0720	Statistics A/B	Meets Requirement	13	1.0
0724	AP Statistics	Meets Requirement	12	1.0
0722	Pre-Calculus A/B	Meets Requirement	12	1.0
0723	Calculus A/B	Meets Requirement	12	1.0
Language Arts <i>Graduation Requirement = 4.0 Credits</i>				
0600	English 9 A/B	Meets Requirement	13	1.0
0604	English 10 A/B	Meets Requirement	13	1.0
0608	English 11 A/B	Meets Requirement	14	1.0
0614	English 12 A/B	Meets Requirement	14	1.0
0616	AP English Language & Composition A/B	Meets Requirement	14	1.0
0618	AP English Literature & Composition A/B	Meets Requirement	14	1.0
Language Arts Electives				
0619	Introduction to Grammar and Composition	Elective	15	0.5
0620	Journalism A/B	Elective	15	1.0
0607	Reading and Writing for Purpose	Elective	15	0.5
0626	Creative Writing	Elective	14	0.5
0655	Fundamentals of English Composition	Elective	14	0.5
0697	Gothic Literature	Elective	15	0.5
0657	Speech and Debate	Elective	15	0.5
0699	Mythology and Folklore	Elective	15	0.5
Science <i>Graduation Requirement = 3.0 Credits</i>				
1198	Earth Science A/B	Meets Requirement	16	1.0
1106	Biology A/B	Meets Requirement	16	1.0
1114	Chemistry A/B	Meets Requirement	17	1.0
1120	Physics A/B	Meets Requirement	17	1.0
1126	AP Biology A/B	Meets Requirement	16	1.0
1167	Physical Science A/B	Meets Requirement	17	1.0

1118	Marine Science: Secrets of the Blue	Meets Requirement	17	1.0
1104	Astronomy	Meets Requirement	18	0.5
1116	Earth Space Science A/B	Meets Requirement	18	1.0
1185	Environmental Science A/B	Meets Requirement	17	1.0
1127	AP Environmental Science A/B	Meets Requirement	17	1.0

Social Studies

Graduation Requirement = 3.0 Credits

U.S. History – Required 0.5 Credits

1200	United States History A/B	Meets Requirement	18	1.0
1202	AP United States History A/B	Meets Requirement	18	1.0
1251	Geography and Society	Meets Requirement	18	0.5
1241	Human Geography	Meets Requirement	19	0.5
1244	AP Human Geography	Meets Requirement	19	1.0
1295	World Geography	Meets Requirement	19	0.5
1204	World History A/B	Meets Requirement	19	1.0
1293	American Government Single Semester	Meets Requirement	19	0.5
1208	American Government A/B	Meets Requirement	19	1.0
	*REQUIRED WI CIVICS TEST			
1214	Economics	Meets Requirement	20	0.5
1216	AP Macroeconomics	Meets Requirement	20	0.5
1215	AP Microeconomics	Meets Requirement	20	0.5
1292	Personal Psychology I	Meets Requirement	20	0.5
1218	Psychology A/B	Meets Requirement	20	1.0
1220	AP Psychology	Meets Requirement	21	0.5
1222	Sociology I	Meets Requirement	20	0.5
1283	History of the Holocaust	Elective	21	0.5

Health and Physical Education

Graduation Requirement = 2.0 Credits (Health: 0.5 Credits, Phy. Ed.: 1.5 Credits)

Health – Required 0.5 Credits

1000	High School Health	Meets Requirement	21	0.5
0960	Health, Fitness, and Nutrition A/B	Meets Requirement	22	1.0
0963	Personal Health and Safety with Sex Education	Meets Requirement	22	0.5

Physical Education – Required 1.5 Credits

0994	Physical Education I A/B	Meets Requirement	22	1.0
0996	Physical Education II A/B	Meets Requirement	22	1.0
0998	Physical Education III A/B	Meets Requirement	22	1.0
0993	Personal Fitness	Meets Requirement	23	0.5

Electives – Required 8.5 Credits

Law and Criminal Justice

1257	Law and Order	Elective	23	0.5
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Business and Communication

0420	Financial Literacy	Elective	25	0.5
0398	Personal Finance	Elective	25	0.5
031401	Principles of Business and Finance A	Elective	25	0.5
0321	Advertising and Sales Promotion	Elective	24	0.5
031402	Principals of Business and Finance B	Elective	25	0.5
0307	Sports & Entertainment Marketing	Elective	26	0.5
0309	Sports Management	Elective	26	0.5

0317	Business Applications	Elective	24	0.5
031901	Computing for College and Careers 1A & 1B	Elective	24	1.0
0316	International Business	Elective	24	0.5
032701	Public Speaking 1A	Elective	26	0.5
032702	Public Speaking 1B	Elective	26	0.5
0395	Principles of Marketing	Elective	25	0.5
Technology and Engineering				
1396	3D Modeling 1A	Elective	26	0.5
1384	Introduction to Computer Applications	Elective	27	0.5
1382	Game Design IA	Elective	27	0.5
1383	Game Design IB	Elective	27	0.5
0202	Introduction to Graphic Design A/B	Elective	27	1.0
1387	Coding 1 A	Elective	27	0.5
1388	Coding 1 B	Elective	28	0.5
1328	Digital Photography I	Elective	29	0.5
Education, Healthcare, and Human Services				
0496	Early Childhood Education 1 A/B	Elective	28	0.5
0495	Health, Safety, and Nutrition	Elective	28	0.5
Art				
1328	Digital Photography I A/B	Elective	29	0.5
0206	Introduction to Drawing	Elective	30	0.5
0299	Art in World Cultures	Elective	28	0.5
0203	Fundamentals of Art Appreciation	Elective	29	0.5
0205	Fundamentals of Art History	Elective	29	0.5
Music				
0805	Living Music I	Elective	30	0.5
0807	Living Music II	Elective	30	0.5
0898	Music Appreciation	Elective	30	0.5
World Languages				
0538	American Sign Language I A/B	Elective	32	1.0
0540	American Sign Language II A/B	Elective	32	1.0
0500	French I A/B	Elective	31	1.0
0502	French II A/B	Elective	31	1.0
0504	French III A/B	Elective	31	1.0
0506	French IV A/B	Elective	31	1.0
0510	German I A/B	Elective	31	1.0
0512	German II A/B	Elective	31	1.0
0514	German III A/B	Elective	31	1.0
0520	Japanese I A/B	Elective	31	1.0
0522	Japanese II A/B	Elective	31	1.0
0528	Spanish I A/B	Elective	32	1.0
0530	Spanish II A/B	Elective	32	1.0
0532	Spanish III A/B	Elective	32	1.0
0534	Spanish IV A/B	Elective	32	1.0
0539	AP Spanish Language A/B	Elective	33	1.0

High School

Mathematics

Required 3.0 credits

Algebra 1 A/B

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

Geometry A/B

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

Algebra 2 A/B (1.0 credit)

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

Pre-Calculus A/B (1.0 credit)

In this course, students analyze various functions. They study quadratics, sequences, and series. Students expand their knowledge of trigonometric concepts and explore vectors and parametric equations. Finally, students examine concepts, including limits and derivatives, in preparation for their study of calculus. Throughout the course, lessons focus on ways in which mathematics is applied in the real world and is essential to everyday life. This, combined with an emphasis on mathematical reasoning and critical thinking skills, prepares students for future college and career opportunities.

Calculus A/B (1.0 credit)

Students study limits, continuity, and differentiation while exploring integrated algebraic, trigonometric, and transcendental functions and the applications of derivatives and integrals. Major topics and concepts include differentiation and integration rules, rates of change, derivative tests, and differential equations. A TI-83+ or TI-84+ graphing calculator is strongly recommended, but it is not provided by Connections Academy.

AP Calculus AB A/B (1.0 credit)

This college-level course covers such concepts as derivatives, integrals, limits, approximation, applications, and modeling. In the first semester, students begin by reviewing function notation, and then they explore absolute value, piecewise, exponential, logarithmic, trigonometric, polynomial, and rational functions. After studying limits and continuity, students move on to concepts of derivatives, including the chain rule, differentiation, implicit differentiation,

and logarithmic differentiation. Toward the end of the course, students apply what they have learned to solve integration problems. This course prepares students for the AP Calculus AB exam. A TI-83+ or TI-84+ graphing calculator is required for this course, but it is not provided by Connections Academy.

Statistics A/B (1.0 credit)

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

AP Statistics A/B (1.0 credit)

Students gain an understanding of the vocabulary, method, and meaning of statistics. They explore data and patterns found in the world around them by analyzing information and noting statistical relationships. They apply their knowledge to relevant, open-ended tasks requiring them to connect multiple statistical topics together. To demonstrate their comprehension, students actively construct experiments to understand, interpret, communicate, and apply statistical methods. General topics of study include planning and designing a study, anticipating patterns, and making statistical inferences. This course prepares students for the AP Statistics exam.

English

English (Req. 4.0 Credits)

English 9 A/B (1.0 credit)

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

English 10 A/B (1.0 credit)

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

English 11 A/B (1.0 credit)

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

English 12 A/B (1.0 credit)

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

AP English Language and Composition A/B (1.0 credit)

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

AP English Literature and Composition A/B (1.0 credit)

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

English (Electives)

Creative Writing (0.5 credit)

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

Fundamentals of English Composition (0.5 credit)

We've all been there. An empty page in front of us, the deadline for our three-page essay looming. Writing can be hard, but it's an essential skill for life—even after you've finished school. As a beginning writer, you will gain the tools you

need to write effectively for school and life in Fundamentals of English Composition. In this one-semester course, you will explore not only how to write, but why. All writing serves a purpose. This course defines the characteristics of effective writing, identifies different purposes for writing, and teaches you strategies for achieving those purposes. The course also provides in-depth instruction on the writing process, focusing on prewriting and revision. In the last part of the course, you will evaluate your own work by looking at it through the eyes of a reader. When you finish the course, you will have written an analytical essay, a persuasive cover letter, and a personal narrative; you will also have been exposed to peer review practices and guidelines for accepting and offering constructive criticism.

Gothic Literature (0.5 credit)

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.

Introduction to Grammar and Composition (0.5 credit)

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

Journalism A/B (1.0 credit)

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

Mythology and Folklore (0.5 credit)

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

Reading and Writing for Purpose (0.5 credit)

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

Speech and Debate (0.5 credit)

Using video tutorials, students study verbal and nonverbal techniques—including those of famous orators—to use when presenting simple and complex ideas and when speaking to a group. Using an audiovisual tool to record their speeches,

students learn how to speak persuasively, develop position statements, support their arguments, and think analytically. Brainstorming techniques, media analysis, research skills, and presentation strategies are also discussed.

Developmental Writing (0.5 credit)

Students apply the fundamental tools and techniques needed to write clear sentences, effective paragraphs, and well-organized essays for general education courses and employment settings. Using Standard American English, students learn to organize, clarify, and communicate written ideas, as well as how to use correct sentence structure, grammar, and parts of speech in written communication. Students also develop skills in revising and editing to clarify voice, tone, style, and mode.

Science

Earth Sciences (Req: 0.5 Credits)

Earth Science A/B (1.0 Credit)

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

Life Sciences (Req: 1.0 Credits)

Biology A/B (1.0 Credit)

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

AP Biology A/B (1.0 Credit)

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

Physical Sciences (Req: 1.0 Credits)

Physical Science A/B (1.0 Credit)

This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, and chemical bonding and reactions. This course will provide a foundation for the study of the physical sciences.

Chemistry A/B (1.0 Credit)

Students are given the opportunity to model atomic structure and to observe, represent, and interpret reactions between atoms and molecules. Students investigate the properties of solutions and analyze the nature of solids, liquids, and gases using interactive tools. They describe and calculate the energies of different types of reactions and explore electrochemistry.

Physical Science – Chemistry (0.5 Credit)

Students are given the opportunity to model atomic structure and to observe, represent, and interpret reactions between atoms and molecules. Students investigate the properties of solutions and analyze the nature of solids, liquids, and gases using interactive tools. They describe and calculate the energies of different types of reactions and explore electrochemistry.

Physical Science – Physics (0.5 Credit)

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

Physics A/B (1.0 credit)

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

Environmental Science A/B (1.0 credit)

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

AP Environmental Science A/B (1.0 credit)

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

Marine Science: Secrets of the Blue A/B (1.0 credit)

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

Earth Space Science A/B (1.0 credit)

This is a laboratory course focusing on the study of space and the geologic and atmospheric forces that shape our world. Through experimentation and investigation, students will explore Earth's cycles, including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle.

Introductory Astronomy (0.5 credit)

Students explore a broad range of astronomy topics, including the planetary system, stars, galaxies, and the universe. Students also learn about the scientific method and the evolution of scientific ideas.

Astronomy (0.5 credit)

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.

Social Studies

****Wisconsin Civics Test REQUIRED****

U.S. History (Req: 0.5 Credits)

United States History A/B (1.0 credit)

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

AP United States History A/B (1.0 credit)

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

World Studies (Req. 1.0 Credits)

Geography and Society (0.5 credit)

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

Human Geography (0.5 credit)

How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and

how they are affected by their surroundings. Students will discover how ideas spread and cultures form and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of human geography, this course will teach students how to analyze humans and their environments.

AP Human Geography A/B (1.0 credit)

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

World Geography (0.5 credit)

Students explore the world's cultural regions by focusing on location, physical characteristics, demographics, historical changes, economic activity, and land use. They are encouraged to examine real-life situations, develop an understanding of multiculturalism, and explore the relationship between people and their environment.

World History A/B (1.0 credit)

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

Civics/Government (Req. 0.5 Credits)

American Government A/B (1.0 credit)

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

***Required: WI Civics Test**

Economics (Req: 0.5 Credits)

Economics (0.5 credit)

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

AP Macroeconomics (0.5 credit)

Students will understand the choices they must make as producers, consumers, investors, and taxpayers. This course provides students with the knowledge and decision-making tools necessary for understanding how a society must organize its limited resources to satisfy its unlimited wants.

AP Microeconomics (0.5 credit)

This course introduces the ways in which people make use of limited resources. Students examine supply and demand, factors of production, the roles of labor and management, the relationship between the environment and the economy, and the impact of government policies on individuals' economic decisions. Students also study the stock market and track the progress of various stocks. This course prepares students for the AP Microeconomics exam.

Psychology or Sociology (Req: 0.5 Credits)

Introduction to Psychology (0.5 credit)

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

Psychology A/B (1.0 credit)

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

AP Psychology (0.5 credit)

This is a college-level course providing students an overview of the development of human behaviors and thoughts. Along with preparation for the AP Psychology exam, the goals of this course are to immerse students in modern psychological investigation techniques, to accentuate the ethics and morality of human and animal research, and to emphasize scientific critical thinking skills in application to the social sciences.

Sociology I (0.5 credit)

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

Electives

History of the Holocaust (0.5 credit)

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

Health and Physical Education

Health: (Req. 0.5 Credits)

Health (0.5 Credit)

This course addresses topics in mental health, social health, nutrition, physical fitness, substance abuse, human development, and disease prevention. The course emphasizes the physical and emotional benefits of making healthful choices and discusses consequences of unhealthful behaviors. Critical thinking is encouraged through the use of open-ended questions, assessments, and videos that present real-life situations. Built using responsive design principles, this HTML course is mobile-friendly, meets accessibility requirements, and includes expanded projects and assessments (including performance assessments.)

Health, Fitness, and Nutrition A/B (1.0 credit)

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

Personal Health and Safety with Sex Education (0.5 Credit)

Being healthy is not just about eating right and exercising—although those are important to your health, too. Your health includes your physical well-being as well as your mental and social welfare. Personal Health and Safety is an introductory, one semester course that examines three aspects of health— mental, physical, and social—in order to help you live a healthy, informed, and balanced life. Mental health topics include self-esteem, stress reduction, and depression. The course covers the social health topics of conflict management and communication skills. You will be equipped with ways to resist peer pressure when faced with unhealthy and destructive behaviors, including smoking, drinking alcohol, and drug abuse. The course also reviews the physical aspects health: wellness, exercise, first aid, and healthy habits. In addition, this course conveys the risks of sexual activity, including unplanned pregnancy and sexually transmitted diseases. It also presents options for eliminating these risks. As part of this discussion, the course includes an overview of infectious and noninfectious diseases, how they affect the body, and how they can be prevented.

Physical Education: (Req. 1.5 Credits)

Physical Education I A/B (0.5 Credit)

Physical Education I introduces topics to help you understand the importance and meaning of true physical fitness. You will learn how to apply different approaches to help you achieve a healthy weight and keep your bones and muscles strong. At the beginning of the course, your lessons will focus on providing you with the tools and knowledge you need to design, maintain, and build a fitness routine. To support your fitness routine and safety, you will learn about the proper exercise techniques for aerobic conditioning, strength training, and flexibility. Toward the end of the course, you will receive an overview of several different types of fitness careers, learn how to locate fitness resources in your community, and discover the social, mental, and physical benefits of exercise.

Physical Education II A/B (0.5 Credit)

Physical Education II aims to provide you with the tools and knowledge you need to design, maintain, and build a balanced fitness routine. The course discusses the proper form for different types of exercise, including aerobic conditioning, strength training, and flexibility, along with general safety guidelines for working out. These topics will help you understand the importance and meaning of true physical fitness and apply different methods for achieving healthy

weight, bones, and muscles. Fitness tests and logs allow you to determine your baseline fitness level and track your progress as you improve in all areas of physical Fitness.

Physical Education III A/B (0.5 Credit)

Physical Education III provides students with the tools and knowledge they need to design, maintain, and build on their own fitness routine. In addition to creating an individualized fitness plan, you will be introduced to techniques for losing, gaining, and maintaining a healthy weight. Lessons introducing stretching techniques and balancing exercises will help you create a balanced fitness plan that includes more than just playing sports or visiting the gym. The course discusses proper form for different types of exercise, along with general safety guidelines for working out. You will learn about the importance of nutrition by evaluating your eating habits, planning healthy meals, and completing nutritional logs.

Personal Fitness (0.5 Credit)

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

Electives

Law and Criminal Justice

Introduction to Criminal Justice (0.5 Credit)

Students explore law enforcement, the courts, and the correctional system. They study what crime is, how crime is measured, and theories of crime causation. They also examine issues and challenges within the criminal justice system and its future directions.

Law and Order (0.5 Credit)

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation.

Business Law (0.5 Credit)

Students explore principle areas of business law and topics such as torts, crimes, intellectual property, contracts, negotiable instruments, agency, employment, and forms of business organization. They learn rules of law and legal terminology, as well as legal solutions for business-related issues.

Business and Communication

Advertising and Sales Promotion (0.5 Credit)

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

Business Applications (0.5 Credit)

Students explore business communication, including letters, memos, electronic communication, written reports, oral presentations, and interpersonal communication. Resumes, application letters, interviewing tips, and employment follow-up are also covered.

Computing for College and Careers 1 A(0.5 Credit)

This course introduces students to various information and communications technologies and explains how information systems are used to solve problems and make better business decisions.

International Business (0.5 Credit)

From geography to culture global business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. Students will gain a global view of business, learn how today's businesses are more interconnected than

ever, and investigate why and how companies go international. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

Personal Finance (0.5 Credit)

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

Financial Literacy (0.5 Credit)

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

Principles of Business, Marketing, and Finance B (0.5 Credit)

The student is introduced to common management philosophies and issues in today's changing world. The student will study globalization, ethics, diversity, customer service, and innovation from a managerial perspective.

Principles of Business, Marketing, and Finance (0.5 Credit)

Students explore factors influencing how marketing decisions are made, including the impact of marketing decisions on an organization and its customers. They gain a working knowledge of practical marketing and business vocabulary. They also evaluate how the actions of competitors influence marketing decisions in the global marketplace.

Public Speaking1 A/B (0.5 Credit)

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

Sports & Entertainment Marketing (0.5 Credit)

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

Sports Management (0.5 Credit)

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

Career Planning and Skill Development (0.5 Credit)

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

Technology and Engineering

2D Animation (0.5 Credit)

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

HS: 3D Modeling: Introduction (0.5 Credit)

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

HS: 3D Modeling: Rendering Your Creativity (0.5 Credit)

This course is a continuation of the learning in 3D Modeling 1A and provides students an opportunity to delve deeper into the world of 3D Modeling in order to create new compositions and see their ideas come to life.

Introduction to Computer Applications (0.5 Credit)

In this course, students use electronic media and software to apply academic concepts in the creation of meaningful organizers, projects, and presentations. Students locate, retrieve, and evaluate data in order to construct and analyze databases. Students produce presentations on Internet safety, online predators, and cyberbullying. At the end of the course, students become effective communicators and collaborators as they plan, evaluate, and synthesize research emphasizing current issues with technology.

Emergent Computer Technology (0.5 Credit)

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

Game Design I (0.5 Credit)

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

Game Design II (0.5 Credit)

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

Introduction to Graphic Design A/B (1.0 credit)

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

Introduction to Online Learning (0.5 Credit)

Learning online and learning in a classroom are such different experiences -- from the presentation of material to interacting with your teachers and classmates to test taking. To be a successful learner in an online environment you need strategies. In this course, you will be equipped with best practices for working, studying, and researching efficiently. Coaching you to become a responsible digital citizen, this course will show you how to protect your privacy, how to communicate and to collaborate with others respectfully, and more!

Coding IA (0.5 Credit)

Students explore programming fundamentals, basic problem solving, variables and assignments, math, conditionals, control flow, methods and functional abstraction, objects and data abstraction, inheritance and polymorphism, exception handling, graphical user interfaces, and external libraries. Students use Sun's Java programming language throughout this course.

Coding 1B(0.5 Credit)

Students explore essential object-oriented programming concepts, exception handling, recursion, generics, and important data structures in the Java Collections Framework. They also learn more advanced topics including algorithm analysis using Big O notation, a comparison of major sorting algorithms, and the creation and traversal of a binary search tree.

Education, Healthcare and Human Services

Introduction to Early Childhood Education (0.5 Credit)

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

Health, Safety, & Nutrition (0.5 Credit)

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

Art & Music

Art History A/B (1.0 Credit)

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

Art in World Cultures (0.5 credit)

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

Digital Photography I (0.5 credit)

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

Fundamentals of Art Appreciation (0.5 credit)

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

Fundamentals of Art History (0.5 credit)

Moments in time and place work to inspire our most treasured works of art. Can you imagine if Goya lived during the violence and revolution of 19th century Spain? How would Daguerre have expressed himself artistically if he had not invented photography? Each artist expresses his unique moment and place in history. Fundamentals of Art History is an introductory, one semester course designed to develop your understanding and appreciation for the visual arts. This course focuses on teaching you to analyze works of art rather than create art. In this course, you will explore the arts, artists, and their cultures from prehistoric times through the present. You will begin to explore important works of art selected from various types of media, including painting, sculpture, architecture, and photography. As the course presents works of different periods, you will receive the historical and geographic context necessary for gaining a deeper appreciation of the pieces. This course provides you with a working knowledge of concepts and an enriched vocabulary so that you can become a more informed consumer of art.

Introduction to Drawing (0.5 credit)

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

Living Music I (0.5 credit) & Living Music II (0.5 credit)

This series of courses teaches students fundamental musicianship from a Western classical approach while aligning to national music education standards. Students use classic repertoire to analyze compositional style and are challenged to improve their rhythm, listening, notation, analysis, performance, and improvisation skills using virtual tools. With audio,

visual, and interactive technologies, the course sequence provides a unique and progressively more advanced learning experience for students in grades 9–12.

Music Appreciation (0.5 credit)

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

World Languages

French I A/B (1.0 credit)

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

French II A/B (1.0 credit)

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

French III A/B (1.0 credit)

This course is designed for students with strong listening and speaking skills plus a solid vocabulary base. The focus is on verb conjugation, direct and indirect object pronouns, and tenses. Students also improve their writing and speaking skills as they study the culture, art, and governments of French-speaking countries.

French IV A/B (1.0 credit)

Students cover present, past, future, and conditional tense verbs, subjunctive mood, articles, and adjectives while delving more deeply into French culture. This course, rich in authentic reading material, uses native-speaker recordings to enrich the student's culture, grammar, and French vocabulary lessons.

German I A/B (1.0 credit)

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

German II A/B (1.0 credit)

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

German III A/B (1.0 credit)

Students learn to express themselves using an ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind, including listening, speaking, reading, and writing. Culture is sprinkled throughout the course in order to help the learner focus on the German-speaking world and its culture, people, geographical locations, and history.

Japanese I A/B (1.0 credit)

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

Japanese II A/B (1.0 credit)

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

*Japanese III is offered in person at North and Memorial High Schools.

Sign Language I A/B (1.0 credit)

In this course, students are introduced to the fundamental concepts of American Sign Language. Students explore vocabulary, grammar, and conversational skills using basic signing and fingerspelling techniques. They are exposed to activities and exercises that help them understand the culture of deaf and hard-of-hearing people.

Sign Language II A/B (1.0 credit)

In this course, students continue their study of American Sign Language (ASL). Students expand their ASL vocabulary, grammar, and conversational skills. In addition, students complete activities and exercises that help them understand the culture of the deaf and hard-of-hearing community, including analyzing Deaf View/Image Art (De'VIA).

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

Spanish II A/B (1.0 credit)

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

Spanish III A/B (1.0 credit)

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

Spanish IV A/B (1.0 credit)

The fourth year of Spanish covers advanced grammar, including present, past, future, and conditional tense verbs, subjunctive mood, articles, and adjectives. Students focus on the Spanish-speaking world and its culture, people, geographical locations, and history.

AP Spanish Language A/B (1.0 credit)

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