

High School Course Catalog

2024-2025

(Rev. February 2024)



EDUPRIZE High School Vision Statement

Our vision is to be a community of internationally minded thinkers who acquire knowledge and understanding via inquiry and reflection, who lead balanced lives and care for others, who listen with open minds and take risks while maintaining principles, and who communicate and collaborate effectively.

Welcome to EDUPRIZE High School!

This Course Catalog has been prepared to assist students in selecting courses for next year. We offer a wide variety of diverse, challenging learning opportunities. Planning a high school program to meet your unique needs is a process involving many choices and decisions. Your success is important to us and the following suggestions may help you in this process:

- Discuss your plans with your family, counselor and teachers as they can provide valuable insight.
- Select courses that will meet district and state graduation requirements as well as support future educational and career goals.
- Participate in courses designed to satisfy current interests, curiosity and the development of personal skills.
- Employ as many resources within the school as necessary to assist you in planning an effective overall educational program.

As part of our ongoing commitment to provide a high quality education, we expect students to:

1. Invest their best efforts in their academic and extracurricular activities;
2. Accept responsibility for their learning, decisions and actions;
3. Treat staff and each other with respect.

We are proud and excited to have you as a part of EDUPRIZE High School!

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General Information

EDUPRIZE High School students grades 9-12 follow a block schedule Monday - Thursday. This schedule provides numerous opportunities for students to take a variety of classes while still meeting both district and state graduation requirements. Our school day is divided into four blocks with each block being approximately 95 minutes in length. On Fridays, all students follow a shortened day of 4 class periods, each being 1 hour in length. The school day is dismissed at 12 noon on Fridays. Our school year is divided into 4 grading quarters. High school credit is earned at the conclusion of final examinations of quarters 2 and 4 for 9-12 grades.

The final semester grade is calculated as follows in grades 9-12: Q1 or Q3 (40%) Q2 or Q4 (40%) final exam (20%)

To earn an EDUPRIZE High School diploma, students must complete the following requirements and complete their individualized ECAP:

EDUPRIZE High School Graduation Requirements

Curriculum	IB	Academic +	Academic
English	4	4	4
Math	4	4	4
Science	4	4	4
Social Studies	4	3	3
TOK	1	1	0
Foreign Language	2	2	1
Fine/Practical Arts	2	2	2
Technology	0.5	0.5	0.5
Elective	2.5	3.5	5.5
TOTAL	24	24	24

Students who are seeking enrollment in a 4-year Arizona public university after High School, should plan their high school courses as what is outlined below to satisfy these requirements, in addition to college entrance exam requirements:

Arizona Public University Admission Criteria

Curriculum	Credits
English	4
Math	4
Science	3
Social Studies (Inc AZ History)	2
Foreign Language (same language)	2
Fine Arts/Vocational Education	1

ECAP

On February 25, 2008 the Arizona State Board of Education approved Education and Career Action Plans (ECAP) for all Arizona students grades 9-12. An ECAP reflects a student's current plan of coursework, career aspirations, and extended learning opportunities in order to develop the student's individual academic, career goals and postsecondary plans.

Credit Recovery

Students who are unable to successfully complete all their course work should work with their counselor to develop individualized plans to recover credits to earn their diploma on-time.

Dual Enrollment

Are you a high school student looking to get ahead? Rio Salado College is looking for able and ambitious students that are interested in earning college credits - all while still in high school. Please see your counselor for additional information and how to register.

EVIT (East Valley Institute of Technology)

EVIT adds to a student's academic instruction with hands-on learning provided by experienced professionals. Students can earn elective credit in more than 40 occupation-specific programs. EVIT programs are tuition-free to EDUPRIZE High School students. EHS students would provide their own transportation to their respective EVIT campus in the mornings. A vehicle from EHS will transport your student from the EVIT central Mesa campus to EHS for their afternoon core classes. All applications and decisions will be processed through EVIT. See your academic counselor for further information.

Post-High School Planning

College and other post-secondary institutions have entrance requirements that vary from high school requirements, to those that are extremely selective. The following information may be helpful to you as you plan your high school courses. Post High School planning is most effective when student, family, counselor, and school staff work together.

In general, admissions are based on a student's preparation, and the following factors are those most commonly considered:

1. Grade Point Average
2. High school courses completed
3. College Acceptance Test scores (SAT, ACT)
4. Extracurricular and community activities including evidence of leadership

Students should select courses that reflect their interests, talents and goals. Taking academic courses without being able to learn the material adequately and maintain a strong GPA is usually counter-productive. Moreover, many colleges are looking for students with a background in arts, extracurricular activities and community services as well as academics.

Students are encouraged to meet with their counselor to obtain specific information to help with their planning.

International Baccalaureate Diploma Programme

The International Baccalaureate (IB) is a college preparatory program with a comprehensive and rigorous liberal arts curriculum, leading to examinations in the junior and senior years. The program is designed for motivated students who work well in a structured academic setting.

Strengths of the IB Program

Focuses on preparing students for success in college

Increases college acceptance opportunities

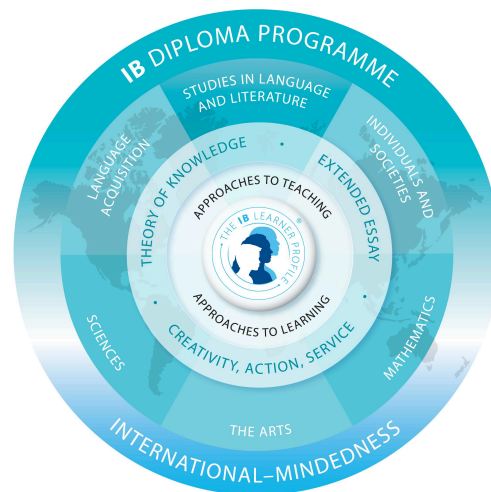
Prepares for competence in all major academic areas

Results in opportunities for advanced standing or course credit at the college level

Promotes learning beyond current honors offerings

Promotes international understanding through a shared academic experience

Promotes holistic learning through interdisciplinary connections and CAS requirements



Primary Language: English

ELA (7th Grade)

Grade Level - 7th	Full Year	
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7th Grade ELA uses a combination of vocabulary, literature studies, and myPerspectives English Language Arts curriculum that includes project based literature studies, composition, grammar, research and reading. Each unit of study includes a selection of different genres, including multimedia and activities that engage and inspire thoughtful discussions. Students will learn narrative, informative, research, and argumentative writing techniques. They will be expected to write a CER paragraph (Claim, Evidence, Reason) as well as five paragraph essays. Students will use literature studies and myPerspectives curriculum to analyze how key details build the central idea or theme of a text, cite textual evidence to support answers, and compare and contrast genres.

ELA 7 Honors

7th Grade ELA is an accelerated language arts program with an emphasis on enrichment experiences, a combination of vocabulary, literature studies, and myPerspectives English Language Arts curriculum that includes project based literature studies, composition, grammar, research and reading. Students will read multiple novels and will be involved in discussions that show deeper understanding and analysis of the texts. Emphasis will also be placed on writing. Honors students are expected to have an understanding of basic grammar structure and conventions. Students will learn narrative, informative, research, and argumentative writing techniques. They will be expected to write a CER paragraph (Claim, Evidence, Reason) as well as five paragraph essays. Students will use literature studies and myPerspectives curriculum to analyze how key details build the central idea or theme of a text, cite textual evidence to support answers, and compare and contrast genres.

ELA (8th Grade)

Grade Level - 8th	Full Year	
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In reading, 8th-grade students continue to practice many skills previously learned in earlier grades specifically regarding text evidence, language, and cross-text comparisons in different genres of text. ELA 8 is to further develop the reading, writing, speaking, listening, viewing, and critical thinking skills necessary for your academic, professional, and personal success. Students focus on literature studies, vocabulary development, writing, grammar, and research/reference skills. Analyses of texts are pushed further as students examine the details and writing structure and assess how those elements affect the text. Through the exploration of a range of genres both fiction and nonfiction, students will dissect from both a reading and writing standpoint. My Perspectives textbook and various novels such as *Ghost*, *Prisoner B-3087*, and *Ender's Game* are used to enhance students' academic abilities.

8th-grade writing skills continue to be practiced and refined throughout the year while also learning some additional complex writing skills. Students learn some new techniques and skills that enhance their writing and enable them to become better writers.

ELA 8 Honors:

The Honors ELA Grade 8 Thematic Units introduce students to a wide range of topics and allow students to explore essential questions through whole-group learning, small-group learning, and independent study using *My Perspectives* and novel studies. *My Perspectives* promotes student-centered learning through literature, non-fiction, and a wide range of writing modalities. Students will explore topics like Rites of Passage, The Holocaust, What Matters, Human Intelligence, and Inventions. Additionally, students will read and analyze poetry, speeches, short stories, essays, and novels. Novels include *Ghost, Night, The House on Mango Street, and Ender's Game*. In addition to reading, students practice writing for various purposes such as literary analysis, and producing persuasive, narrative, argumentative, and explanatory text. The aim is for students to be able to write a 5-paragraph essay, complete with the incorporation of textual evidence and proper grammar, punctuation, and conventions, to prepare them for more in-depth research writing in high school. Students also practice various forms of discussion from debate to Socratic seminars. Honors English 8 students are expected to read several works independently and be prepared for discussions on those works. The expectation is also that their writing will include more depth and analysis. Vocabulary study is also more extensive. Students must complete an honors application.

English 9

Grade Level - 9th	Full Year	1 ELA Credit
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English 9 introduces students to “classic literature.” Students are taught to read and analyze texts that shape and challenge societal viewpoints. Eduprize utilizes *My Perspectives* curriculum and supplemental texts. Literary works may include poems, short stories, historical U.S. documents, speeches, novels, and plays in excerpt form or unabridged text. Analysis is conducted through activities such as Socratic Seminar, debate, discourse, reflection writing, and essays. Students practice various forms of writing from persuasive essays to narrative stories. In addition, students will practice using MLA Format and to learn how to obtain research from reliable sources. Students are encouraged to connect themes in literature to their own lives and experiences as well as present day events. The expectation of students entering ELA 9 is that they know and apply the general rules of grammar, and are capable of producing a basic 5-paragraph essay complete with textual evidence.

The expectation of students entering ELA 9 is that they know the general rules of grammar, are capable of producing a basic 5-paragraph essay complete with textual evidence, and have a basic understanding of MLA Format.

Honors English 9

Honors English 9 focuses primarily on introducing students to “classic literature.” Students are taught to read and analyze texts that shaped controversial viewpoints in society over the last few decades. Major works include *To Kill a Mockingbird, The Odyssey, Of Mice and Men, and Romeo and Juliet*. Analysis is conducted through Socratic Seminars, Debates, Reflection Writing, and Essays. Students practice various forms of writing from persuasive essays to narrative stories. In addition, our major focus is practicing using MLA Format and learning to obtain research from reliable sources. Overall, students are taught to connect classic literature to present day events, as well as experiences. The expectation of students entering Honors ELA 9 is that they know the general rules of grammar, are able to generate synonyms & antonyms

for vocabulary terms, are capable of producing a basic 5-paragraph essay complete with textual evidence, and that they have a basic understanding of MLA format as well as an introduction to APA format to help prep for college.

The expectation of students entering Honors ELA 9 is that they know the general rules of grammar, are able to generate synonyms & antonyms for vocabulary terms, are capable of producing a basic 5-paragraph essay complete with textual evidence, and that they have a basic understanding of MLA format.

Prerequisite: Minimum grade of a C in Honors ELA 8 or minimum of a B in ELA 8, plus a recommendation from the student’s ELA 8 teacher and an honors application.

English 10

Grade Level - 10th	Full Year	1 ELA Credit
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English 10 Honors focuses on gothic and dystopian literature. Texts include war-time presidential speeches, House Taken Over, Where is Here?, The Fall of the House of Usher, Frankenstein, and The Uglies. Ongoing vocabulary units are embedded throughout the year, providing full ACT/SAT vocabulary/terminology knowledge of over one thousand words. This course has heavy emphasis on memorization techniques, varied approaches to critical thinking, analyzing text dissection, and evidence to persuade and make a point. Students use the My Perspectives curriculum in conjunction with Quill.org grammar lessons and CommonLit paired text assignments. Students complete a minimum of two weekly writing prompts with a variety of subjects and writing styles, with increased minimum limits and specific requirements for story structure and text evidence. Student will also practice college admission essays and familiarize themselves with those different requirements and expectations. Throughout the year, students will engage in whole class discussions, socratic seminars, debates, and material creation. Individual and small group projects and tests are used to assess mastery of topics and specific concepts throughout the year.

Honors English 10

Honors ELA 10th graders will experience a more intellectually challenging environment than the on-level 10th grade course due to the following differences: students will be required to not only know the definitions of vocabulary terms, but also their synonyms and antonyms; students will cover two full-length novels per Quarter, versus just the one; students will be required to hold more Socratic Seminars than the on-level course; and students will be required to incorporate more textual evidence in their essays.

Prerequisite: Minimum grade of a C in Honors English 9 or minimum of a B in English 9, and honors application plus a recommendation from the student’s English 9 teacher.

English 11

Grade Level - 11th	Full Year	1 ELA Credit
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English 11 focuses primarily on a study of American Literature from the Colonial Period to the

present, with an introduction to British Literature during the 4th quarter. Students read and analyze seminal U.S. documents, poetry, and fiction from the standpoint of the effectiveness of the rhetoric and literary devices used. Major works include *The Crucible*, *The Great Gatsby*, *Animal Farm*, and *Midsummer's Night Dream*. Analysis is conducted via in-class discussions, debates, and essays. Students practice various forms of writing from persuasive essays to narrative stories, emulating the rhetorical and literary devices used by the authors studied. The expectation of students entering English 11 is that they know the rules of grammar, are adept at writing a basic 5-paragraph essay complete with textual evidence, and that they are familiar with MLA format, as well as learn and apply APA format to prep for college and beyond.

English 11 IB Standard Level (SL) Language and Literature

Grade Level - 11th	Full Year	1 ELA Credit
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The SL language and literature course introduces the critical study and interpretation of written and spoken texts from a range of literary forms and non literary text-types. The course is organized into three areas of exploration and seven central concepts, and focuses on the study of both literary or non-literary texts. An understanding of how language, culture and context determine the construction of meaning is developed through the exploration of texts, some of which are studied in translation, from a variety of cultures, periods, text-types and literary forms. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. The formal assessments are two essay papers, one requiring the analysis of unseen non-literary text, and the other a comparative response to a question based on two literary works studied. Students also perform an oral activity presenting their analysis of a literary work and a non-literary body of work studied.

English 11 IB Language and Literature High Level (HL)/Dual Enrollment

Grade Level - 11th	Full Year	1 ELA Credit
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IB 11 is the first half of the two-year IB Language A: Language and Literature Program. IB Semester 1 of this course focuses on the global issues of racism and philosophical movements in society while Semester 2 focuses on the global issues of power's use and misuse, and technology's effects. In addition to the major works studied, students will analyze short nonfiction pieces from various fields, political cartoons, advertisements and photographs. Students will participate in in-depth discussions, write rhetorical analysis, and present oral interpretations of both written and visual texts. The intent is to teach students intertextuality, the author/reader relationship, and the manifestation of time and space through literature and language.

Prerequisite: Minimum grade of a C in Honors English 10 or minimum of a B in English 10, plus a recommendation from the student's English 10 teacher.

English 12

Grade Level - 12th	Full Year	1 ELA Credit
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English 12 Units take students through classic texts of British Literature, spanning from the Anglo-Saxon Period to the Modern Age. Paired with the British classics are canonical pieces of

American Literature. These pairings demonstrate the influence of British literary movements, writing styles, and philosophical ideas on American authors and will help students make connections between British and American literature, history, and culture. Major works include Beowulf, Hamlet, and Gulliver’s Travels. Analysis is conducted via in-class discussions, debates, and essays. Students practice various forms of writing from persuasive essays to narrative stories, emulating the rhetorical and literary devices used by the authors studied. The expectation of students entering English 12 is that they know the rules of grammar, are adept at writing a basic 5-paragraph essay complete with textual evidence, and that they are familiar with MLA format. Students will strengthen research and writing skills to prepare for career and college expectations.

English 12 IB Language and Literature/Dual Enrollment

Grade Level - 12th	Full Year	1 ELA Credit
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IB 12 is the second half of the two-year IB Language A: Language and Literature Program. This course is focused on the study of literary analysis and also the ability of students to present their ideas effectively. A key aim is the development of critical literacy. Students will be introduced to the critical study and interpretation of written and spoken texts from a wide range of literary genres. The primary focus of this IB course is the analysis of a global issue through a paired fictional work and a non-fiction body of work. Bodies of work may be art collections, music videos, documentaries, etc. The intent is to teach students intertextuality, the author/reader relationship, and the manifestation of time and space through literature and language.

Composition

Grade Level -11th - 12th	One Semester	.5 Elective Credit
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The focus of this class is to become a better writer- in all different facets. Composition class is a blend of writing lessons and workshops. The writing skills learned in this class can be applied to multiple disciplines and is designed to assist IB Diploma Candidates with their course load.

Second Language Acquisition

Spanish 1

Grade Level - 8th - 12th	Full Year	1 FA Credit
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Students are introduced to speaking, listening, writing and reading Spanish. Students will be able to communicate with basic conversational skills and learn about cultures that are relevant to the Spanish language. Eighth graders interested in enrolling in a foreign language course should be honors students and have strong teacher recommendations. Honors eighth graders who successfully complete the Spanish 1 will receive high school language credit. In order to progress to the next level, students must successfully complete the course with a grade of a C or higher.

Spanish 2

Grade Level - 9th - 12th	Full Year	1 FA Credit
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This course is offered to students who have successfully completed Spanish 1. Students will learn a variety of verb tenses, learn increased thematic vocabulary, and augment their communicative skills: reading, writing, listening and speaking in Spanish. In order to progress to the next level of the language, students must earn a final grade of a B or higher or receive a strong teacher recommendation. Students transferring to EDUPRIZE from other schools are required to take a pre-diagnostic test regardless of transfer grade before entering in Level 2 of any language.0928/2024

Spanish 3

Grade Level - 9th - 12th	Full Year	1 FA Credit
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This course is offered to students who have successfully completed Spanish 2. Instruction will be mostly delivered in Spanish. Students will learn more advanced communication skills. Students will be expected to express themselves in Spanish the majority of the time. They will be exposed to different genres of literature, film and more interactive activities. Dual Enrollment credit is available through Rio Salado in SPAN101 & 102.

IB Spanish

Grade Level - 11th - 12th	Full Year	1 FA Credit
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Students must be proficient in their speaking, reading, writing, and listening skills in Spanish. Students must exhibit the IB Learner's Profile. This course is rigorous and fast paced, and students are expected to perform at an advanced level. As students progress through this course, they will master the language skills and intercultural understanding, which will enable them to be prepared for the IB expectations. This course may be taken for up to 2 years. Dual Enrollment credit is available through Rio Salado in SPAN101 & 102 (year 1), and SPAN201 & 202 (year 2)

Mandarin Chinese 1

Grade Level - 9th - 12th	Full Year	1 FA Credit
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Chinese 1 is an introduction to the basic grammar, pronunciation and vocabulary of the Mandarin Chinese language. This course includes the study of Chinese culture; and the practice of listening, speaking, reading and writing skills using simplified characters and Hanyu Pinyin pronunciation system. Students who successfully complete this course are prepared to take Chinese 2. Objectives of this course are as follows: 1. Demonstrate comprehension of the Chinese pronunciation system known as pinyin and the basic elements of the Chinese logographic writing system, including the concept of radicals and the role of stroke order, using digital input in addition to the traditional handwritten approach. 2. Demonstrate reading and writing competence using pinyin, required radicals, and other learning tools to acquire new vocabulary for composing sentences and short paragraphs to deliver instructions, commands, feelings, opinions, suggestions and agreements/disagreements. 3. Demonstrate oral and auditory competence when conducting simple conversations using positive, negative and question sentences that contain time and location phrases, adverbs/adjectives, and

specific measure words to deliver instructions, commands, feelings, opinions, suggestions, agreements and disagreements. 4. Demonstrate cultural competence by identifying some basic Chinese cultural aspects such as honorific pronoun, courtesy expressions, name order, kinship terms and respect of seniority.

Mandarin Chinese 2

Grade Level - 9th - 12th	Full Year	1 FA Credit
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Chinese 2 includes the study of grammar and vocabulary along with the study of Chinese culture. Emphasis will be placed on listening, speaking, reading and writing skills. This course includes the practice of Mandarin Chinese in three modes: interpersonal, interpretive and presentational. Students who successfully complete this course are prepared to take Chinese 3 honor course. Objectives of this course are as follows: 1. Demonstrate comprehension of authentic oral and written materials in compound sentences that include detailed information, explanations, descriptions, commands, suggestions, directions and agreements/disagreements. 2. Demonstrate oral and auditory competence by asking and answering questions in different question forms and narrating activities that contain detailed information, results, explanations, descriptions, suggestions, directions, agreements and disagreements. 3. Demonstrate reading and writing competence by delivering short paragraphs with compound sentences that include detailed descriptions, commands, explanations, suggestions, directions and results. 4. Demonstrate cultural competence by identifying some basic Chinese cultural aspects in the target language.

IB Mandarin Chinese

Grade Level - 11th - 12th	Full Year	1 FA Credit
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Students must be proficient in their speaking, reading, writing, and listening skills in Mandarin. Students must exhibit the IB Learner's Profile. This course is rigorous and fast paced, and students are expected to perform at an advanced level. As students progress through this course, they will master the language skills and intercultural understanding, which will enable them to be prepared for the IB expectations. This course may be taken for up to 2 years.

Social Sciences

Social Studies (7th Grade)

Grade Level - 7th	Full Year	
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This Contemporary Global Study course will cover how the development of civilizations, societies, cultures and innovations have influenced history and continue to impact the modern world. We will discuss how cycles of conflict and cooperation have shaped relations among people, places and environments. We will study how economic, political and religious ideas and institutions have influenced history and continue to shape the modern world. Some specific areas of study include Revolutions (Scientific, French, Latin American, Russian, Industrial), World Conflicts (WWI, WWII, Vietnam), Imperialism and different types of

government. This course includes projects as well as written components that connect with 7th grade ELA standards.

History (8th Grade)

Grade Level - 8th	Full Year	
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This 8th grade social studies class centers on the history of our nation from the creation of the US Constitution to modern day issues that impact our nation. The course links with other 8th grade disciplines to allow for a project based approach that drives student inquiry throughout the learning process. Study units include political parties, political cartoons, taxes, civil rights, immigration and terrorism. Students will examine political, economic, technological and social developments of the United States; this includes the influence of diverse groups on cultural developments that helped shape American History. The course is based on the Arizona State Standards for American History, Civics and Government.

World History and Geography

Grade Level - 9th	Full Year	1 Social Studies Credit
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World History and Geography is the first course in the High School Social Studies Program. This course is designed to provide students with the skills and knowledge to understand major concepts, characteristics and events throughout world history. This course will include an overview of political and economic revolutions, an investigation of major world religions, the imperialism of Africa and Asia, as well as the study of major world wars. Economic and political developments, geographic concepts, belief systems and cultural contributions will be integrated into the curriculum.

US Government Comprehensive

Grade Level - 10th	One Semester	.5 Social Studies Credit
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U.S. Government is a semester-long course offered to high school sophomores at Eduprize High School. The course is designed to give students an insight into the U.S. political system at the local, state, and national levels. Students will investigate the foundations, principles, and practices of the United States government as a constitutional republic and representative democracy. Students may take this course at the honors level with recommendation from the previous social science teacher.

Economics

Grade Level - 10th	One Semester	.5 Social Studies Credit
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The Economics course provides students with the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its unlimited wants. Students who are enrolled in the economics course will deepen their knowledge of choices they must make as producers and consumers. Students will learn economic reasoning, principles of decision-making in the marketplace, productive resources, scarcity and choices, opportunity costs and trade-offs, economic incentive, interdependence,

contemporary and historical economic issues, personal economic skills, role of money, government and financial institutions and labor. Students may take this course at the honors level with recommendation from the previous social science teacher.

American History

Grade Level - 11th	Full Year	1 Social Studies Credit
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In this course, students will study the foundation of American democracy and analyze the origins and formation of the government within the United States. Emphasis is placed on the US Constitution, rights and responsibilities of citizens within a society. Students will analyze each branch of government, examine the historical formations and platforms of different political parties, and analyze decisions that have had a lasting effect on the United States.

IB History of the Americas

IB History (World Topics)

Grade Level - 11th - 12th	Full Year	1 Social Studies Credit
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Over the course of the two years, students will engage in a systematic study of the History of the Americas. As part of their course of study, students will examine the political and diplomatic, intellectual and cultural, and social and economic history of the Americas. An international aspect will be incorporated into the course in two ways. Students will examine the interaction between American nations throughout the time period of the course. Comparisons and connections will be made between events in the Americas and events in other regions of the world on an ongoing basis throughout the two years.

Civics, American History & World History Resource

Grade Level - 9th -12th	Full Year	1 Social Studies Credit
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These courses are on a three year rotation. The information covered is a modified version of what is explained above.

Science

Science (7th Grade)

Grade Level - 7th	Full Year	
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The major focus of this course of study is the basic application of the scientific method, and the structures and systems that build the world around us. Students will begin to explore science as a structure that supports the world around them; cycles including rock, biological, geochemical, weather, and societal impact on the biosphere will be discussed. Additionally

students will be taught the basic rules governing Newtonian Mechanics, Electromagnetism, and the cycles that built our planet and others.

Honors Option

Honors courses in our science department offer a more rigorous curriculum and accelerated pace from our general courses. Students will not just learn the topics above, they will begin to apply science and scientific observations to the world around them. This will involve a more indepth look of the topics of 7th grade and completion of a lab activity and write up. The teachers of our honors courses strive to engage students in the application of concepts learned in class in addition to higher level thinking exercises and activities. All students are welcome to take honors science courses but a grade of C or better must be maintained in order to continue enrollment in the course. Honors students require an honors application.

Science (8th Grade)

Grade Level - 8th	Full Year	
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Students will solidify their scientific knowledge with a curriculum that overviews many different science disciplines. They will enjoy learning Chemistry, Physics, Biology, and Environmental Science through fun labs and investigative projects.

Honors Option

Honors courses in our science department offer a more rigorous curriculum and accelerated pace from our general courses. The homework for these courses can often be more intense, although not necessarily more frequent. The teachers of our honors courses strive to engage students in the application of concepts learned in class in addition to higher level thinking exercises and activities. All students are welcome to take honors science courses but a grade of C or better must be maintained in order to continue enrollment in the course. Honors students require an honors application.

Prerequisites: Completion of 7th Grade Science

Physics - Conceptual

Grade Level - 9th	Full Year	1 Science Credit
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The course covers the basic principles of physical science to provide significant breadth and depth to how the world works. Topics include mechanics (laws of motion, momentum, energy, simple machines), electricity, sound, and light. The course is taught from a conceptual level, requiring basic algebra to understand principles and to solve problems. It is a lab course, using the inquiry approach to ensure understanding by discerning patterns by observation of data.

Honors Option

Honors courses in our science department offer a more rigorous curriculum and accelerated pace from our general courses. The homework for these courses can often be more intense, although not necessarily more frequent. The teachers of our honors courses strive to engage students in the application of concepts learned in class in addition to higher level thinking exercises and activities. All students are welcome to take honors science courses but a grade of C or better must be maintained in order to continue enrollment in the course. Honors students require an honors application.

Chemistry

Grade Level - 10th	Full Year	1 Science Credit
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Students explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Chemistry also deals with the study of the changes of matter and the mechanisms by which changes occur. The class will be taught using the “modeling” pedagogy; a teaching technique focusing on inquiry, pictorial and graphical representations of chemical processes, Socratic questioning, and student-led discussions.

Honors Option

Honors courses in our science department offer a more rigorous curriculum and accelerated pace from our general courses. The homework for these courses can often be more intense, although not necessarily more frequent. The teachers of our honors courses strive to engage students in the application of concepts learned in class in addition to higher level thinking exercises and activities. All students are welcome to take honors science courses but a grade of C or better must be maintained in order to continue enrollment in the course. Honors students require an honors application.

Biology

Grade Level - 11th	Full Year	1 Science Credit
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The major purpose of this course is to understand the underlying principles of the biological sciences. Students will investigate how all living organisms interact with each other and their environment. Students will learn how scientists use the scientific method, to examine the natural world, and make intelligent objective decisions using data. This course is a prerequisite to college level biology courses and introduces major topics within the biological sciences such as: cellular biology, genetics, evolution and ecology. Students will experience a range of modalities to help them comprehend and apply their knowledge to higher level biological concepts.

Bioscience Technology

Grade Level - 9th - 12th	Full Year	1 Science Credit
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Biotechnology is designed to provide students the opportunity to experience the innovative science of biotechnology. This course is an introduction to biotechnology and its global impact on society. It covers applications of biotechnology, laboratory techniques, limitations and the international economic benefits, risks, and legal and ethical issues associated with biotechnology.

Prerequisites: Successful completion of one or all of the following, high school integrated/physical science, biology, chemistry.

Environmental Science

Grade Level - 12th	Full Year	1 Science Credit
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The goal of this interdisciplinary course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. This course will use lectures, class discussions, audio-visual materials, labs, writing, reading debate and guest speakers to present: 1) problems associated with the use/misuse of our global natural resources and 2) current management practices associated with the conservation of natural resources. The course will focus on environmental management and conservation issues facing Arizona and our global society. Students will be engaging in their own individual research projects designed to examine these issues in a scientifically valid way.

Anatomy and Physiology

Grade Level 11th - 12th	Full Year	1 Science Credit
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This comprehensive high school course in Anatomy and Physiology provides students with a fascinating exploration into the intricacies of the human body. Over the duration of the academic year, students will embark on a journey that delves deep into the structural and functional aspects of the human anatomy, gaining an in-depth understanding of how the body's various systems work in harmony. The course begins with an overview of the fundamental principles of anatomy, introducing students to anatomical terminology, body planes, and directional terms. As the curriculum progresses, students will explore the skeletal system, muscular system, cardiovascular system, respiratory system, digestive system, nervous system, and more. Each system is studied in detail, examining both its anatomy and the physiological processes that sustain life.

IB Biology (11th Grade)

IB Biology (12th Grade)

Grade Level 11th - 12th	Full Year	1 Science Credit
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Biologists investigate the living world at all levels using many different approaches and techniques. At one end of the scale is the cell, its molecular construction and complex metabolic reactions. At the other end of the scale biologists investigate the interactions that make whole ecosystems function. Many discoveries remain to be made and great progress is expected in the 21st century. Through studying a science subject students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, the emphasis on a practical approach. In addition, through the overarching theme of the "Nature of Science" this knowledge and skills will be put into the context of the way science and scientists work in the 21st Century and the ethical debates and limitations of creative scientific endeavor. The sciences are taught practically. Students have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and data bases. Students develop the skills to work independently on their own design, but also collegially, to mirror the way in which scientific research is conducted in the wider community.

Gateway to Engineering

Grade Level - 7th - 8th	One Semester	
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This course includes four one-semester units: two are offered each year, and alternating year by year. One set of units includes Magic of Electrons and Science of Technology. In the Magic of Electrons (ME) unit, students examine the behavior and parts of atoms as well as the impact of electricity on the world around them. They learn skills in basic circuitry design and use what they know to propose designs such as a burglar alarm for an art museum. In the Science of Technology (ST) unit, students learn how science impacts the technology of yesterday, today, and the future. They apply the concepts of physics, chemistry, and nanotechnology to activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nano-materials. This course is offered in school years beginning with an even number (i.e. 2018-19)

The other set of units includes Design and Modeling, and Automation and Robotics. In Design and Modeling, students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy. In Automation and Robotics, students learn about the history and impact of automation and robotics as they explore mechanical systems, energy transfer, machine automation, and computer control systems. Using the VEX Robotics® platform, students apply what they know to design and program traffic lights, robotic arms, and more. This course is offered in school years beginning with an odd number (i.e. 2019-2020).

Introduction to Engineering Design

Grade Level 9th - 12th	Full Year	1 CTE Credit
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Students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Principles of Engineering

Grade Level 9th - 12th	Full Year	1 CTE Credit
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This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Digital Electronics

Grade Level 10th - 11th	Full Year	1 CTE Credit
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Digital Electronics (DE) is a high school level course that is appropriate for students interested in exploring electronics. Digital electronics is the study of electronic circuits that are used to process and control digital signals. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will analyze, design, and build digital electronic circuits. While implementing these designs, students will continually hone their professional skills, creative abilities, and understanding of the circuit design process. Other than their concurrent enrollment in college preparatory mathematics and science courses, this course assumes no previous knowledge.

Engineering Design and Development

Grade Level 12th	Full Year	1 CTE Credit
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Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an open-ended engineering research course for senior students who have taken Introduction to Engineering Design and at least one other PLTW engineering course. In this course, students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. Students will perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create, and test their solution prototype. Student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process.

STRUT (Students Recycling Used Technology (prepares students for A+ Certification))

Grade Level 9th - 12th	Full Year	1 CTE Credit
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StRUT (Students Recycling Used Technology prepares students for A+ (A Plus) certification. This is an entry-level computer certification for PC computer service technicians. The exam is designed to certify the competency of entry-level PC computer service professionals in installing, maintaining, customizing, and operating personal computers. This is a year-long program that may be taken a second year for credit. Second year students may become team leaders.

Geographic Information Systems*

Grade Level - 10th	One Semester	.5 CTE Credit
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Students will identify and appreciate the diversity of information representable in a map. They will use mapping software (ArcMap), arcgis online and other free programs to manipulate and display information on a map. Students will explore the use of maps in other content areas (History, Science, Math and Language).

Mathematics

Math students might be required to take a math placement exam to ensure their proper course placement.

Math (7th Grade)

Grade Level - 7th	Full Year	
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In 7th grade, both honors and standard level, students will be learning Pre-Algebra; in honors, the same concepts will be taught, but at a much deeper level of understanding. The course will begin with a review of variables, expressions, and integers that should have been taught in 6th grade; all properties related to solving equations will also be reviewed along with how to determine factors and multiples, converting between fractions, decimals, and percents, along with working with all types of rational numbers. Students will learn to solve both single-step and multi-step equations, and explore scientific notation. Ratios, proportions, and probabilities will be used to determine unknown variables particularly with scale models. All aspects of graphing functions on coordinate planes, and inequalities will be covered, with finding area and volume of polygons and three-dimensional shapes.

Additionally, students will master the skill of taking interactive Cornell notes that will prepare them for higher educational pursuits; these notes will be formatted in a way that will allow students to study from them easily, as well as find lessons from the past to help with future success. The art of retention will be enhanced through utilizing depth and complexity icons to make abstract connections.

Math (8th Grade)

Grade Level - 8th	Full Year	
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Math competency and development of deductive and critical thinking are essential to success in today's world. This course is designed to provide an in depth understanding of the fundamentals of Algebra found within the Core Curriculum Content Standards. The course connects arithmetic and concepts of elementary mathematics and enable a student to make a successful transition to algebra and geometry. Throughout the course, students explore the language of algebra, geometry, and other areas of mathematics in verbal, tabular, graphical, and symbolic form. The change to algebra is done by examining the use of variables in pattern generalizations, abbreviations in formulas, and unknowns in sentences to be solved. The course balances modeling activities by providing students with the opportunity to develop critical paper-and-pencil skills such as computation involving integers and rational numbers and solving equations.

Algebra 1

Grade Level 8th - 9th	Full Year	1 Math Credit
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Algebra 1 is a one-year course that builds on arithmetic skills and algebraic concepts taught in the earlier grades. The course is designed to provide a solid foundation of algebra following the Common Core State Standards for the college-bound student. The curriculum largely parallels that of Algebra 1 Honors, but includes a more rigorous review at the start of the year and a somewhat less rigorous level of in-depth study in some areas. Honors Option

The Algebra I Honors course is designed to provide students with an in-depth level of instruction, an accelerated pace and a cooperative learning environment. The course will provide a rigorous study of traditional algebra topics from the Common Core State Standards. The course guides students in the development of critical thinking skills and algebraic problem solving skills which provide the foundation for real world problem-solving. It is targeted to highly motivated students who have previously had some algebra. Modeling and problem solving are at the heart of the curriculum. Mathematical modeling consists of recognizing and clarifying mathematical structures that are embedded in other contexts, formulating a problem in mathematical terms, using mathematical strategies to reach a solution and interpreting the solution in the context of the original problem. Students must be able to solve practical problems, representing and analyzing the situation using symbols, graphs, tables or diagrams. An honors application is required for this course.

Geometry

Grade Level 9th - 10th	Full Year	1 Math Credit
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This Geometry class covers the basic concepts of plane, solid, coordinate, and some analytic geometry stressing deductive proof and reasoning. Throughout the year, the properties learned in algebra are reintroduced into this course. Moving towards formal mathematical arguments, the standards presented in this high school geometry course are meant to formalize and extend middle grades geometric experiences. The aims and objectives of the course are to develop and show the value of the logic of deductive reasoning and to improve and increase the understanding and application of the terminology, symbolism, and the structure of mathematics. Students will be shown how the analysis of data collected through the observation and measurement of geometric figures can lead to a formal statement of a geometric relationship. The course meet the Common Core Math Standards of High School Geometry.

Honors Option

The purpose of Honors Geometry is to develop the student's abilities to formulate logical patterns of mathematical thought. The course meets the Common Core Math Standards of High School Geometry. The students will learn how to read mathematics, how to describe mathematical ideas in rigorous language and how to use their creativity in the solutions to challenging problems. The aims and objectives of the course are to develop and show the value of the logic of deductive reasoning and to improve and increase the understanding and application of the terminology, symbolism, and the structure of mathematics. The problems explored involve intense analytical thought and require strong algebraic skills. Non-Euclidean geometries such as fractal geometry and the Lenart sphere are investigated. Through the use of their algebraic skills and knowledge developed relating to plane, solid, and analytic geometric concepts, the students will extend their foundation of mathematics for further mathematics courses and the sciences. As an honors course the students will also be expected to spend additional time beyond that normally expected in a mathematics course. An honors application is required for this course.

Algebra 2

Grade Level 10th - 12th	Full Year	1 Math Credit
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Algebra 2 complements and expands the mathematical content and concepts of Algebra I and Geometry. Students will build on their work with linear, quadratic, and exponential functions as well as expand into further functions such as logarithmic, polynomial, rational, and radical functions. Through means of small group work, individual assignments, class activities, lectures, and class discussions, the many facets of algebraic applications will be explored. Students will develop learning strategies, critical thinking skills, and problem solving techniques to prepare for future mathematics courses. Further, students will use current technology, such as the graphing calculator, as well as other available computer software, such as Desmos, to display and represent various concepts. The course is designed to provide a solid foundation of Algebra 2 following the Common Core State Standards for the college-bound student.

Honors Option

Honors Algebra 2 is a rigorous, accelerated course that provides students with advanced algebraic concepts and technological skills that will support future work in advanced mathematics. Through means of small group work, individual assignments, class activities and class discussions, the many facets of advanced algebraic applications will be explored. The students will develop a logical and analytical approach to accurate problem solving. As the students examine a variety of mathematical models, they will deepen their ability to read, communicate and work in mathematics and apply these concepts to future mathematics courses. This course is intended for students who have successfully completed Honors Geometry and have a desire to pursue advanced placement mathematics and/or a mathematics based profession. An honors application is required for this course.

College Math

Grade Level 12th	Full Year	1 Math Credit
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This course is for students who have demonstrated proficiency in Algebra 2. Students will strengthen skills from previous years including: Equations/Inequalities, Linear Graphing, Quadratics, Angles, Polygons, Surface Area, and Volume. Students will work with ideas on Probability and Statistics, and real-world applications of topics. A student proficient in this course will have the skills to be prepared for entrance into a 2-year college, or 4-year university.

Financial Algebra

Grade Level 12th	Full Year	1 Math Credit
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In this class, students will practice algebra and geometric mathematics using financial business applications. Specific areas that will be covered include the decision making process, financial aspects of career planning, financial management, income analysis, budgeting techniques, savings and investment strategies in order to meet short and long term goals, evaluation of services offered by financial institutions, managing credit cards and debt, risk analysis, fraud and financial loss. Students will learn work readiness skills to prepare them for career and college. This class meets the fourth year math requirement for students.

IB Math

Grade Level 11th - 12th	Full Year	1 Math Credit
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IB Mathematics: Analysis and Approaches SL

This course is designed for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will explore real and abstract applications, sometimes with technology, and will enjoy the thrill of mathematical problem solving and generalization. The course covers five topics within mathematics but with varying emphasis in each area: number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. A graphing calculator is required. A TI-84+, or N-Spire is recommended for most sections.

Pre-Calculus

Grade Level 12th	Full Year	1 Math Credit
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A pre-calculus course combining topics from college algebra and trigonometry. Algebra topics include analysis of graphs, asymptotic behavior, symmetry, inequalities, analysis of polynomials, the rational root theorem, and logarithmic and exponential functions with applications. Trigonometry topics include the trigonometric functions, inverse functions, identities, formulas, and angle measures.

This course will provide preparation for analytic geometry and calculus. A graphing calculator is required. A TI-84+, or N-Spire is recommended for most sections. This course can be taken for dual credit enrollment with Rio Salado Math 187 (5 credits). Students may receive credit for only one of the following: The combination of MAT15+ and MAT182 OR just MAT187. Prerequisites: A grade of B or better in MAT12+, OR an appropriate district placement.

AP-Calculus A/B

Grade Level 12th	Full Year	1 Math Credit
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This rigorous mathematics course is equivalent to a first-semester calculus class at a university. Topics emphasized are differential and integral calculus. This course prepares students for AP examinations to earn a semester of college credit in calculus. Students will use the standards for mathematical practice to engage with the subject matter.

Math Foundations (Credit Recovery and Math Skills)

Grade Level 9th - 12th	One Semester	1 Math Credit
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This block has been set aside for you to complete the Edgenuity Credit Recovery and to receive assistance in the completion of the course. This course meets criteria to meet one of four high school credit requirements for graduation. This course will replace the F grade from a previously failed math course.

Fine/Practical Arts

Jr High Beginning Art

Grade Level 7th - 8th	One Semester	
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An introductory art course for students in 7th and 8th grade. Students study the Elements of Art, and create studio projects based on these elements. The focus of this course is mostly drawing foundations, with instruction on color and painting. Students maintain a sketchbook/visual journal in which they practice drawing skills and the Elements of Art. Students also participate in reading and writing assignments related to visual art.

Band (Jr High)

Grade Level - 7th - 8th	Full Year	
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Band is a class intended for students with an interest in learning and expounding upon musical skills. Students will work as an ensemble and as an individual to learn and improve as a musician. This class is meant for students with at least 2 years of previous band experience or willingness to learn an instrument. Students will be required to provide their own instruments. Students will be expected to attend all concerts and provide periodic playing tests.

Choir (Jr High)

Grade Level - 7th - 8th	Full Year	
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The prerequisite for Concert Choir, this is an ensemble based class, where students will learn: the basics of music theory & history, how to practice, how to find their voice, and how to sing as a member of a group both accompanied and unaccompanied. Different from elementary choir, this course will be a student's first real ensemble setting where students will read music and sing in 2 to 3 parts. At the end of the year students will be well on their way to being a successful musician. This ensemble has 2 concerts a year.

Piano Keyboarding

Grade Level 7th + 8th	Semester	
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This class is a good introduction to the piano, and consequently, a great way to build skills and knowledge that will be valuable in all music courses. Students will work individually and in small groups to learn the basics of the piano. The course will include both theory and performance components, and will build music appreciation as we learn together using the piano keyboard.

JH Guitar

Grade Level - 7th - 8th	One Semester	
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An introductory course into the basics of guitar. Students will learn how to read music notation and be introduced to the basics of music theory. Students will work in small groups and as a whole to play individual notes and chords. Students are expected to treat materials such as guitars and music with respect and work well with other students. Playing tests throughout the course will be expected.

Jr. High Photography

Grade Level 7th - 8th	One Semester	
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This is an introductory photography class for students in 7th and 8th grade. This course will teach students how to use a digital camera. They will be introduced to basic photography techniques, learning about both color and B&W digital photography. This will include proper image exposure, elements of composition, shutter speed and depth of field. Other topics will include: stop-action, introduction to basic Photoshop, basic retouching and digital printing.

JH Strings Ensemble

Grade Level 7th - 8th	Full Year	
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This class is for students who have taken at least one year of previous orchestra experience and can play in the key of D, G, A and C. Students will further their skills in and mastery of musicianship fundamentals such as posture/positioning, notation reading, rhythm, bowing techniques and intonation, and vibrato. The keys of F, B flat, and E flat will also be introduced. Students will be introduced to a variety of genres of music such as Classical, Pop, Folk, Broadway, Rock, etc. Baroque, Renaissance, Classical, Romantic and Modern Musical History periods will be surveyed. This is a performance based class and we will be participating in local festivals and competitions. Participation in all performances is a required expectation of this course.

JH Theater

Grade Level - 7th - 8th	One Semester	
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The Junior High Theater Course focuses on improving self esteem, collaboration, and public speaking through the development of drama skills. Students will learn about the history of theater and create short plays that focus on the different techniques used during that specific time period. The course introduces the following skills: script writing, improvisation, blocking scripts, script analysis, set design and set building, stage makeup, costume design, character development, stage lighting, and sound effects. The class will produce a play that is performed for the public.

Concert Choir

Grade Level - 9th - 12th	Full Year	1 Credit
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The prerequisite for A Cappella Choir, this class advances students into the next level of musicianship. Starting the year with 3-part harmony and advancing to 4-part. This class will go further into: music theory & history, practice skills, and overall musicianship. This course will begin to unfold the subtle nuances of music to hone and define musical expression. This ensemble has 4-5 concerts a year.

A Cappella Choir

Grade Level - 9th - 12th	Full Year	1 Credit
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Audition Based This class is a culminating experience of your time in choir. Students sing freely of accompaniment and master the art of musical expression. Students become fluent in music theory & history and sing frequently in 8-part harmony. This is the premier ensemble for the school, and performs at all school functions. This ensemble also participates in choir competitions, and some travel can be expected.

HS Theater

Grade Level - 9th - 12th	Full Year	1 Fine Art Credit
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The High School Drama Course focuses on the development of leadership skills, collaboration skills, and communication skills. Students will have the opportunity to direct short plays and also be stage managers. They will continue to develop the following skills: script writing, improvisation, blocking scripts, script analysis, set design and set building, stage makeup, costume design, character development, stage lighting, and sound effects. The class will produce a play that is performed for the public.

HS Band

Grade Level - 9th - 12th	Full Year	1 Fine Art Credit
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Band is a class intended for students with an interest in learning and expounding upon musical skills. Students will work as an ensemble and as an individual to learn and improve as a musician. This class is meant for those with 3 or more years of previous band experience or a willingness to learn an instrument. Students will be required to provide their own instruments. Students will be expected to attend all concerts.

Strings Ensemble

Grade Level 9th - 12th	Full Year	1 Fine Art Credit
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This class is for students who have taken at least 2 years of previous orchestra experience, have mastered the first two books of Essential Elements of Strings, and/or who can demonstrate intermediate ability of expression and musicianship. Instructor approval required. We will be furthering musicianship fundamentals of posture/positioning, shifting into 3rd, 4th, and 5th positions, vibrato, bowing techniques and mastering music in a variety of genres, musical periods, key and time signatures. They keys of F, B flat, E flat and A flat will be introduced and the keys of D, G, A and C literature will also be performed. Musical Historical periods of Baroque, Renaissance, Classical, Romantic and Modern will be surveyed and explored. We will be participating in local music festivals and competitions. This is a performance based class and participation in all performances and tours is a required expectation of this course.

IB Music

Grade Level 11th - 12th	Full Year	1 Fine Art Credit
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This class is for full IB Diploma candidates and subject area candidates in the performing arts. Throughout the course, students will develop their knowledge and potential as musicians. The class involves aspects of performance and critical analysis of music. Students will also be exposed to forms, styles and functions of music from a wide range of historical and socio-cultural contexts. Students will participate in and reflect upon music from their own background and other world genres. Students are required to participate in a performing ensemble in order to complete the requirements for the course. Classes will take place at select times during and after school. Please see instructor for further clarification.

Art 1 2D

Grade Level 9th -12th	Full Year	1 Fine Art Credit
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This is an entry level high school course where students review the elements of art and study the principles of design. Students create studio projects based on both the elements of art and principles of design using both two and three-dimensional media. Studio projects may vary from year to year, depending on the level of art experience of students. Students maintain a visual journal, write reflections upon completion of each studio project, analyze art using structured methods, and also participate in other reading and writing assignments related to visual art. Students write at least one art-related research paper each semester.

Art 2 3D

Grade Level 9th -12th	Full Year	1 Fine Art Credit
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This is an intermediate level high school course where students review the elements of art and study the principles of design. Students create studio projects based on both the elements of art and principles of design using both two and three-dimensional media. Studio projects may vary from year to year, depending on the level of art experience of students. Students maintain a visual journal, write reflections upon completion of each studio project, analyze art using structured methods, and also participate in other reading and writing assignments related to visual art. Students write at least one art-related research paper each semester.

Beginning Photography

Grade Level 9th - 12th	Full Year	1 Fine Art Credit
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This photography class is open to all students with all knowledge levels and experience. This course will teach students how to use a digital camera. They will be introduced to basic photography techniques, learning about both color and B&W digital photography. This will include proper image exposure, elements of composition, shutter speed, depth of field, stop-action, close-up macro photography and portraiture. Other topics will include: painting with light, selective color, Photoshop including retouching, layers and compositing, color balancing and digital printing.

Advanced Photography

Grade Level 10th - 12th	Full Year	1 Fine Art Credit
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This photography class is for students who wish to continue learning about photography and have completed Beginning Photography. This course will teach students how to use off camera lighting systems. They will be introduced to basic portrait lighting patterns, learn how to light reflective surfaces, style and light food set-ups and product photography. Students will continue to master exposure and composition while working with studio lighting kits. Other topics will include: high-speed flash photography, fashion portrait photography, creating layouts in Photoshop and Poloroid emulsion lifts.

IB Visual Art - Year 1

Grade Level 11th	Full Year	1 Fine Art Credit
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This rigorous class is for full IB Diploma candidates and subject area candidates in the Visual Arts. Students in year 1 will learn about the three components of the IB Visual Arts program (Visual Journals, Exhibition, and Comparative Study). A major focus in Year 1 is to experiment with diverse media and techniques and increase technical skills and competence in preparation for the final exhibition in Year 2. Students will accomplish this by completing specific assigned art projects. Students will also view art in person, analyze artwork, and compare and contrast art from various cultures and write an in-depth study. Students will use a Visual Journal to document their experiments with methods and materials, and show their critical thinking and research related to various cultural contexts, artists, techniques, and self-reflection on their own art making process.

Prerequisites: Art 1 and/or Art 2. An honors application is required for this course.

Grade level: 11th grade. 10th grade at the discretion of the teacher.

Supplies: Sketchbook, personal art supplies as needed, a strong work ethic and a great attitude!

IB Visual Art - Year 2

Grade Level 12th	Full Year	1 Fine Art Credit
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This rigorous class is for full IB Diploma candidates and subject area candidates in the Visual Arts. A major focus in Year 2 is the production of a coherent body of art showing technical competence in preparation for a final exhibition. The exhibit should show a synthesis of skill, media, and concept. Students will self-select an artistic theme through a process of reflection and evaluation of the work completed in Year 1. Students will apply curatorial practices and skills to display their own artworks. Students will continue to use a Visual Journal to document their thought processes, and will complete their in-depth comparative study.

Prerequisites: IB Visual Art Year 1, an honors application is required for this course.

Grade level: 12th grade (or 11th grade if started course in 10th grade)

Supplies: Sketchbook, personal art supplies as needed, a strong work ethic and a great attitude!

JH Introduction to Graphic Design:

Grade Level 7-8	Semester	
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Graphic Design students will learn to use design as a creative process in communication. Students will also explore various methods used to create and combine words, symbols, and images to create a visual representation of ideas and messages. Students will learn and use the basic elements and principles of art. Students will create their designs using Adobe Photoshop and Adobe Illustrator platform.

HS Introduction to Graphic Design:

Grade Level 9-12	Semester	1 Fine Art Credit
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Graphic Design students will learn to use design as a creative process in communication. Students will also explore various methods used to create and combine words, symbols, and images to create a visual representation of ideas and messages. Students will learn and use the basic elements and principles of art. Students will create their designs using Adobe Photoshop and Adobe Illustrator platform.

Marketing/Advertising Class:

Grade Level - 9th - 12th	Full Year	1 CTE Credit
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This course is designed to provide students with the insight, skills and knowledge to prepare for a career in marketing/business. Students will create, execute and evaluate promotional strategies, and content for advertising, sales promotion, and product creation. Students will incorporate motivation theories, branding techniques and design principles in communication with targeted audiences. They will plan and implement procedures to use marketing communication that mitigate image or brand-damaging issues. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Career and Technical Education (CTE)

Gateway to Engineering

Grade Level - 7th - 8th	One Semester	
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This course includes four one-semester units: two are offered each year, and alternating year by year. One set of units includes Magic of Electrons and Science of Technology. In the Magic of Electrons (ME) unit, students examine the behavior and parts of atoms as well as the impact of electricity on the world around them. They learn skills in basic circuitry design and use what they know to propose designs such as a burglar alarm for an art museum. In the Science of Technology (ST) unit, students learn how science impacts the technology of yesterday, today, and the future. They apply the concepts of physics, chemistry, and nanotechnology to activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nano-materials. This course is offered in school years beginning with an even number (i.e. 2018-19)

The other set of units includes Design and Modeling, and Automation and Robotics. In Design and Modeling, students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy. In Automation and Robotics, students learn about the history and impact of automation and robotics as they explore mechanical systems, energy transfer, machine automation, and computer control systems. Using the VEX Robotics® platform, students apply what they know to design and program traffic lights, robotic arms, and more. This course is offered in school years beginning with an odd number (i.e. 2019-2020).

Introduction to Engineering Design

Grade Level 9th - 12th	Full Year	1 CTE Credit
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Students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Principles of Engineering

Grade Level 9th - 12th	Full Year	1 CTE Credit
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This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Digital Electronics

Grade Level 10th - 11th	Full Year	1 CTE Credit
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Digital Electronics (DE) is a high school level course that is appropriate for students interested in exploring electronics. Digital electronics is the study of electronic circuits that are used to process and control digital signals. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will analyze, design, and build digital electronic circuits. While implementing these designs, students will continually hone their professional skills, creative abilities, and understanding of the circuit design process. Other than their concurrent enrollment in college preparatory mathematics and science courses, this course assumes no previous knowledge.

Engineering Design and Development

Grade Level 12th	Full Year	1 CTE Credit
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Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an open-ended engineering research course for senior students who have taken Introduction to Engineering Design and at least one other PLTW engineering course. In this course, students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. Students will perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create, and test their solution prototype. Student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process.

STRUT (Students Recycling Used Technology (prepares students for A+ Certification))

Grade Level 9th - 12th	Full Year	1 CTE Credit
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StRUT (Students Recycling Used Technology prepares students for A+ (A Plus) certification. This is an entry-level computer certification for PC computer service technicians. The exam is designed to certify the competency of entry-level PC computer service professionals in installing, maintaining, customizing, and operating personal computers. This is a year-long program that may be taken a second year for credit. Second year students may become team leaders.

Geographic Information Systems*

Grade Level - 10th	One Semester	.5 CTE Credit
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Students will identify and appreciate the diversity of information representable in a map. They will use mapping software (ArcMap), arcgis online and other free programs to manipulate and display information on a map. Students will explore the use of maps in other content areas (History, Science, Math and Language).

Theory of Knowledge

Theory of Knowledge (11th Grade)

Grade Level - 11th	One Semester (spring)	.5 Elective Credit
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Theory of Knowledge (12th Grade)

Grade Level - 12th	One Semester (fall)	.5 Elective Credit
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TOK is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It is a core element which all Diploma Programme students undertake, requiring at least 100 hours of class time. The TOK course examines how we know what we claim to know. It does this by encouraging students to analyze knowledge claims and explore knowledge questions. A knowledge claim is the assertion that “I/we know X” or “I/we know how to Y”, or a statement about knowledge; a knowledge question is an open question about knowledge. (TOK Course Guide 2014)

The TOK course runs concurrently to the rest of the IB curriculum as part of the second semester of the junior year, and first semester of the senior year. It is open to all EDUPRIZE students, and includes an essay (IB Prescribed title essay) and a presentation (can be in group) - both of which are submitted at the end of the second semester of the course (December).

Physical Education

Physical Education

Grade Level - 9th - 12th	Full Year	1 Elective Credit
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The Physical Education curriculum provides students with opportunities to achieve and maintain a health-enhancing level of physical fitness and increase knowledge of fitness and health related concepts. Students will learn how to develop the skills and habits necessary for a lifetime of healthy living.

These courses include skill development and application of rules and strategies of varying difficulty in the following movement forms: health and skill related fitness activities, team sports, individual dual sports and recreation games. Ongoing assessment includes written and performance-based skill evaluations.

JH Physical Education

Grade Level - 7th - 8th	Full Year	
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The Physical Education curriculum provides students with opportunities to achieve and maintain a health-enhancing level of physical fitness and increase knowledge of fitness and health related concepts. Students will learn how to develop the skills and habits necessary for a lifetime of healthy living.

Sports Science (Physical Education and Classroom Experience Combined)

Grade Level - 9th - 12th	Full Year	1 Credit
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This class will explore areas of study such as anatomy, physiology, biomechanics, body systems (skeletal, muscular, circulatory, integumentary, respiratory, nervous, digestive), nutrition, hydration, etc

Half of the course work will be completed in the classroom and half will be completed in the gym to explore the topics covered at high levels. Students will test hypotheses and really look into the scientific concepts and apply them to sports, recreation and life.

Other Electives

Intro to Business/Personal Finance

Grade Level 9th - 12th	Full Year	1 Elective Credit
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This introductory course is designed to give students an understanding of business law and the legal matters that impact businesses, communities, families, and individuals. It's essential to become knowledgeable in Business Law as it will help prepare you for your future roles professionally and personally.

The goal of Personal Finance is to help students to become financially responsible, conscientious members of society. Students will cover a broad area of personal finance basics while diving deep into subjects that will help give students the tools and resources needed to make wise financial decisions. Students will analyze their personal financial decisions, evaluate the costs and benefits of their choices, recognize their rights and responsibilities as consumers, and apply the knowledge learned to financial situations encountered later in life. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices, set personal goals, and create budgets for their preferred lifestyles. The course content is designed to help the learner make wise spending, saving, taxes, and credit decisions and make effective use of income to achieve personal financial success.

Service Learning

Grade Level 9th -12th	One Semester	1 Elective Credit
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Using the IPARD model (Investigate, Plan, Action, Reflection, Demonstration), students combine academic learning with plenty of hands-on meaningful, relevant community service. Students investigate their strengths and weaknesses, explore career options, learn strategies for success, and appreciate the value of civic responsibility. Students develop as leaders who take initiative, solve problems, work as a team, and demonstrate their abilities while helping others. Students maintain a reflection journal and routinely write about their experiences before, during, and after service projects. Students also participate in other reading and writing assignments related to Service Learning, and create a reflection portfolio at the end of each semester.

Speech and Debate

Grade Level 9th - 12th	Full Year	1 Elective Credit
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Speech and Debate is an elective course for grades 9-12. The course will give students an introduction to a variety of public speaking and formal debate styles. Throughout the course, students will become familiar with these styles through instruction, research, observation, and classroom performance. Emphasis will be placed on critical thinking and listening skills and argument resolution, this course is an excellent companion to core courses as it reinforces learning of research and writing. Course objectives include: generating strong cases by utilizing effective research techniques, organizing data into persuasive speeches, and anticipating opposing arguments; identifying and emulating strong argumentative and rhetorical techniques while simultaneously avoiding fallacies and other unethical debate practices; utilizing active listening and note-taking skills during debates to modify and strengthen a position; developing strong public speaking skills by delivering both planned and impromptu speeches; and improving interpersonal skills by collaborating with teammates on research and case development. While students will largely explore elements of debate in a non-competitive environment, they may choose to participate in local and virtual competitions.

Student Council

Grade Level - 9th - 12th	Full Year	1 Elective Credit
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Student council is an elective for students in grades 9-12. This course is designed to provide students with skills to become an effective leader and to provide knowledge to understand the role of students at EDUPRIZE. The course will include an overview of attitude, perseverance, respect, appreciation, gratitude, respect, responsibility, character, leadership, compassion, honesty, and tolerance. In addition, students will create and preserve a united student body; a body infused with pride and spirit which encompasses a diverse spectrum of students, faculty and community, by promoting involvement within EDUPRIZE.

World Cultures

Grade Level - 7th - 8th	One Semester	
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World Language and Cultures Class is an introduction to one or more foreign cultures, with few language skills expected. There may be limited development of fluency with a program over one semester that emphasizes limited language acquisition and cultural awareness.

Grade Level - 9th - 12th	Full Year	1 Elective Credit
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International Culture through Film is an introduction to one or more foreign cultures, with few language skills expected. There may be limited development of fluency with a program over one semester that emphasizes limited language acquisition and cultural awareness.

JH Introduction to Journalism

Grade Level - 7th - 8th	One Semester	
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Introduction to high school yearbook and journalism. Students will have the opportunity to create a class newspaper.

Journalism

Grade Level - 9th - 12th	Full Year	1 Elective Credit
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Students will learn about volume, tone, general etiquette, and reporting skills when partaking in the School Wide Announcements. Overall students are tasked with providing coverage for all school events, recording milestone memories from the school year, and reporting school wide news. Students are required to attend weekly sporting events and also any school related celebrations. In addition, students are expected to be present at all Eagle Expos and assist with covering Dances, Graduation, and Seasonal Festivals. The expectation of students before entering Journalism is that students have general knowledge of how to use a camera, take pictures, and upload pictures onto a computer. Students also need to have access to an email account and be able to promote the selling of school events. Although not required it is preferred that students have access to their own camera, memory card, and flash drive. Moreover, students are expected to be team players who work well with others, determined, open minded, hard working, and supportive

Yearbook

Grade Level - 9th - 12th	Full Year	1 Elective Credit
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Yearbook and Journalism students are taught the basic principles used to create a School Yearbook from general terminology to using the Lifetouch Website. Students are introduced to picture taking techniques, photo editing, coordinating color schemes, connecting themes, and creating custom spreads as well as layouts. Students are also able to practice their public speaking skills through participating in class presentations, grade level team projects, and interviews. Major Assignments over the course include: Grade Level Meetings, The Schoolwide Interview Project, Superlative Voting, School Wide Announcements, Yearbook Promo Videos, and Cover & Mockup Spread Presentations.

The expectation of students before entering Yearbook is that students have general knowledge of how to use a camera, take pictures, and upload pictures onto a computer. Students also need to have access to an email account and be able to promote the selling of school events. Although not required it is preferred that students have access to their own camera, memory card, and flash drive. Moreover, students are expected to be team players who work well with others, determined, open minded, hard working, and supportive; as being part of the Yearbook Staff is a team effort.

Lifeskills

Grade Level - 9th - 12th	Full Year	1 Elective Credit
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This program will focus on the skills that students need in order to transition successfully from high school into work and life in the community. The students will be able to demonstrate knowledge and skills in the areas of daily living, with an emphasis on social, occupational, recreational, and leisure skills within the community through hands-on field experience. Through different activities, the students will actively engage in lessons that will provide them with skills for the future. Within each unit, students will be able to learn how to make appropriate decisions, use hands-on activities to enforce the lesson, and demonstrate their knowledge within the classroom setting and outside in the community and home.

Transitions

Grade Level - 9th - 12th	Full Year	1 Elective Credit
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This course is designed to guide students as they explore and plan for post-secondary options.

Advisory

Grade Level - 7th - 8th	Full Year	
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A support class for each EDUPRIZE student designed to assign them to one mentor teacher to support their academic success.

Grade Level - 9th - 12th	Full Year	.25 Elective Credit
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A support class for each EDUPRIZE student designed to assign them to one mentor teacher to support their academic success.