



EDGE Course Catalog

2024-2025

The courses listed in this catalog will be offered within the EDGE microschool for the 2024-2025 school year. EDGE students* are required to enroll in 5.0 credits of courses within the microschool. Additionally, all EDGE students are required to take Global Activism each year; this is in addition to the 5.0 credits. Students will enroll in 2.0 credits outside of the EDGE microschool at their home school, Liberty High School or Liberty North High School.

*12th grade students who are returning to the EDGE program may enroll in 4.0 or 5.0 credits of courses within the EDGE microschool.

Table of Contents

Business

[Business Management](#)

[Personal Finance](#)

Electives

[Advanced Debate](#)

[AP Research](#)

[AP Seminar](#)

[Contemporary Issues](#)

[Debate](#)

[Global Activism](#)

[Global Leadership](#)

[Health](#)

[International Relations](#)

[Psychology](#)

[Sociology](#)

[Speech 1](#)

English Language Arts

[Pre-AP English 1](#)

[English Language Arts 1](#)

[Pre-AP English Arts 2](#)

[English Language Arts 2](#)

[English Language Arts 3](#)

[Advanced English Language Arts 4](#)

[English Language Arts 4](#)

[AP Language and Composition](#)

Fine Arts

[Art and Design](#)

[Digital Photography](#)

[Global Creations](#)

International Language

[Spanish I](#)
[Spanish II](#)
[Spanish III](#)

Math

[Geometry](#)
[Algebra II](#)
[Global Mathematics](#)
[Precalculus with Trigonometry](#)
[Probability and Statistics I](#)
[Probability and Statistics II](#)

Practical Arts

[International Culinary](#)
[Social Media in Modern Society](#)

Science

[AP Environmental Science](#)
[Biology I](#)
[Honors Biology I](#)
[Honors Theoretical Chemistry](#)
[Physics](#)
[Theoretical Chemistry](#)

Social Studies

[American Government](#)
[American History](#)
[World History](#)

Business

Course Title:	Business Management
Course Number:	MC01040010
Department(s):	Career, Business
Primary Credit Type:	Practical Arts
Credit Hours:	0.5
Grades Eligible:	10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	This course will integrate an introduction into various courses of study for the future business student including: Economic Systems, Business Management, Marketing, Business Law, International Business, E-Commerce, and Human Resources.

Course Title:	Personal Finance
Course Number:	MI01996400
Department(s):	Career, Business
Primary Credit Type:	Personal Finance
Credit Hours:	0.5
Grades Eligible:	10, 11, 12
Dual Credit:	No
Repeatable:	No

Course Description:	<p>Personal Finance is designed to prepare students to make wise financial decisions. Topics include personal budgeting, banking services, understanding credit, taxes, investment options, risk management, automobile purchases, and consumer rights and responsibilities. Emphasis is placed on developing decision-making skills for real-life financial situations. Personal Finance is a course designed to help students become informed consumers. This course will focus on specific consumer issues that will be encountered during life. During the course, students will study the U.S. economic system, smart consumerism, money management, guarding against fraudulent or deceptive sales practices, and socially responsible behavior. This course will help prepare students for life on their own.</p>
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Electives

Course Title:	Advanced Debate
Course Number:	SD02056510
Department(s):	Performing Arts (Debate/Speech)
Primary Credit Type:	Elective
Credit Hours:	1.0
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
School Availability:	LHS students only due to MSSHA regulations
Repeatable:	No

Course Description:	Advanced Debate is a year-long course designed to assist students in redefining basic skills learned in Debate I and to teach advanced debate theory along with more complex principles of strategic debate, and argumentation. Course work includes advanced study in debate theory, debate strategy and topic analysis, completion of written assignments such as varied case formats, negative and affirmative briefs, persuasive speeches, and participation in practice debates as well as competitive debates on a varsity level. Students must prepare individual speaking events for competition and will accumulate points for advanced membership in the National Forensic League. Participation in four interscholastic debate and forensic tournaments during the year is required.
Prerequisite:	Grade of B or above in Debate I, an overall GPA of 2.5, and teacher approval.

Course Title:	AP Research
Course Number:	AP01991296
Department(s):	Experiential, College
Primary Credit Type:	Elective
Credit Hours:	1.0
Grades Eligible:	11, 12
Dual Credit:	No
Repeatable:	No

Course Description:	AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.
Prerequisite:	AP Seminar

Course Title:	AP Seminar
Course Number:	AP01991295
Department(s):	Experiential, College
Primary Credit Type:	Elective
Credit Hours:	1.0
Grades Eligible:	10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team.

Course Title:	Contemporary Issues
Course Number:	SS01156620
Department(s):	Social Studies
Primary Credit Type:	Elective
Credit Hours:	0.5
Grades Eligible:	9 - 12
Dual Credit:	No
Repeatable:	No
Course Description:	Students will identify major trends, issues, and problems confronting them in today's world. The pressing social, economic, and political issues, both international and domestic, will be described, evaluated, understood, and analyzed. Students will develop and employ critical thinking, reading, writing, verbal, and social science skills. Topics to be covered will include foreign relations, domestic and international economics, and the social, cultural, and political trends of contemporary America.

Course Title:	Debate
Course Number:	SD01056510
Department(s):	Performing Arts (Debate/Speech)
Primary Credit Type:	Eng Lang Arts Elective
Credit Hours:	1.0
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
School Availability:	LHS students only due to MSSHA regulations
Repeatable:	No

Course Description:	Debate I is a year-long course designed to teach the skills of analysis, research, and reasoning. Students learn to logically develop and organize rational arguments on both sides of controversial subjects and defend those arguments thoughtfully and articulately from the attack of others. Coursework includes the study of basic debate theory, topic analysis, the completion of written assignments such as evidence cards, simple case formats, briefs, persuasive speeches, and participation in practice and competitive debates on a novice level. Students accumulate points for membership in the National Forensics League. Participation in four interscholastic debate and forensics tournaments during the year is required. This commitment includes rehearsal in addition to classroom hours and weekend travel with the Debate and Forensic Team.
Prerequisite:	2.5 GPA, MSHAA eligible, average grade of B or above throughout the year, and teacher approval.

Course Title:	Global Activism
Course Number:	MI01991015, MI02991015
Department(s):	Experiential, EDGE
Primary Credit Type:	Elective
Credit Hours:	0.25 per year
Grades Eligible:	9 - 12
Dual Credit:	No
Repeatable:	Yes
Course Description:	This course is designed to build the foundational skills necessary to expand your understanding of the world and investigate how global issues impact people, place, ideas, and events throughout the world. Students will learn a variety of interpersonal skills that are useful for immersing in different cultures and exploring global issues within a variety of environments. The course will also support students in applying a variety of project management skills and research methods, both quantitative and qualitative, that are useful for investigating global issues. Students will also study activism frameworks from a historical perspective and learn to plan, implement, and evaluate strategies for creating change.

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Course Title:	Global Leadership
Course Number:	MI02996000
Department(s):	EDGE
Primary Credit Type:	Elective
Credit Hours:	1.0
Grades Eligible:	11 - 12
Dual Credit:	Yes
Repeatable:	Yes
Course Description:	Global Leadership will provide EDGE students with insight into the nature and scope of what it means to be a global leader in the 21st Century. Students will explore the core traits, behaviors, and values of what makes an effective global leader, as well as the relationship between personal and professional competencies in leadership development and affecting global change. Students will discover the importance of cross-cultural and intercultural leadership and collaborative skills and will develop an understanding of a variety of social, ethical, and diversity issues.
Prerequisite:	Students must have successfully completed one year of enrollment in EDGE.

Course Title:	Health
Course Number:	PE01085300
Department(s):	Physical Education
Primary Credit Type:	Health

Credit Hours:	0.5
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
Virtual:	No
Repeatable:	No
Course Description:	This course will reflect health issues that confront students in their teen years. Topics will include substance abuse, teen pregnancy, smoking, conflict resolution, decision-making skills, and living a balanced, healthy life-style.

Course Title:	International Relations
Course Number:	<i>SS01156652</i>
Department(s):	EDGE
Primary Credit Type:	Elective
Credit Hours:	0.5
Grades Eligible:	9 - 12
Dual Credit:	No
Repeatable:	No
Course Description:	This introductory high school course is designed to give students the opportunities to contextualize, understand, and evaluate international interactions between states, non-state entities, and supranational organizations. Students will examine major theoretical models of international relations, analyze their application to historical examples, and use them to explain and predict contemporary interactions between these agents. Pressing social, economic, and political international issues will be described, evaluated, understood, and analyzed. Students will develop and employ critical thinking, reading, writing, verbal, and social science skills. Topics to be covered will include governmental structures, interaction, and organization; relations models including realism, neorealism, liberalism, neoliberalism, and constructivism; critical approaches to relations'

	models; the application of these models to the following historical periods: Peloponnesian War (431-404 BC); the Age of European Colonialism (16 th -20 th Century, CE); The Age of Democratization (18 th Century CE to Present); Pre-WWI (circa 1900-1914); Interwar Period (1918-1933); and the Cold War (1946-1989); and the application of these models to existing international issues: nuclear proliferation and deterrence; ethnic conflict, civil wars, and international peacekeeping; globalization, trade, and economics; terrorism; humanitarian intervention; Just War Theory; multipolarity, bipolarity, and unipolarity; anarchy and global governance; nationalism, culture, and identity; and transnational actors.
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Course Title:	Psychology
Course Number:	SS01156100
Department(s):	Social Studies
Primary Credit Type:	Elective
Credit Hours:	0.5
Grades Eligible:	11,12
Dual Credit:	No
Repeatable:	No
Course Description:	This semester course is an introduction into the study of human behavior. The course familiarizes students with the principles and applications of psychological study. A major goal of the course is to help students gain an understanding of themselves. Key topics covered in the course include the brain and its effect on behavior, consciousness (sleep and mediation), memory, the learning process, personality theory, intelligence, and creativity.

Course Title	Sociology
Course Number:	SS01156670
Department(s):	Social Studies

Primary Credit Type:	Elective
Credit Hours:	0.5
Grades Eligible:	9 - 12
Dual Credit:	No
Repeatable:	No
Course Description:	Students will explore the origins of our values/beliefs and behaviors and society's behaviors as well as explore the concepts and theories necessary to understand society. Topics include considering sociology as science, the nature of large-and small-scale groups, social stratification, historical eras and social change, and race, ethnic, and gender relations.

Course Title	Speech 1
Course Number:	SD01056500
Department(s):	Performing Arts (Debate/Speech)
Primary Credit Type:	Eng Lang Arts Elective
Credit Hours:	0.5
Grades Eligible:	9 - 12
Dual Credit:	No
Repeatable:	No
Course Description:	Students will increase their ability and confidence as speaker and presenter in the areas of discussion, persuasion, entertainment, and providing information. This semester course introduces students to the basic techniques of speech writing, delivery, and style. Students study communication theory as a basis for refining their own listening skills and for analyzing audience needs. Students will write and deliver impromptu, extemporaneous, and scripted speeches. Students can only take this course once for credit. This course is a prerequisite for Advanced Speech.

English Language Arts

Course Title:	Pre-AP English 1
Course Number:	LA26054800
Department(s):	ELA
Primary Credit Type:	Eng Lang Arts 1
Credit Hours:	1.0
Grades Eligible:	9
Dual Credit:	No
Repeatable:	No
Course Description:	Pre-AP English 1 focuses on the reading, writing, and language skills that have immediate relevance for students and that will be essential for their future coursework. Texts take center stage in the Pre-AP English 1 classroom, inspiring and preparing all students for close, critical reading and analytical writing. The course trains the reader to observe the small details in a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting complex sentences, building this foundational skill en route to more sophisticated, longer-form analyses.
Prerequisite:	English Language Arts department placement. Minimum of 85% in ELA 8.

Course Title:	English Language Arts 1
Course Number:	LA25054800
Department(s):	ELA
Primary Credit Type:	Eng Lang Arts 1
Credit Hours:	1.0
Grades Eligible:	9

Dual Credit:	No
Repeatable:	No
Course Description:	This course is designed to cover many aspects of communication, including reading, writing, speaking, listening, and information literacy. Literature study will include a variety of selected readings including essays, short stories, novels, and plays. Composition will be a significant part of this course with specific instruction in the development of thesis statements, multi-paragraph essays, and writing for different purposes and audiences. The conventions of writing will also be emphasized. Writing will be enhanced through the use of computers and other electronic resources.

Course Title:	PreAP English 2
Course Number:	LA29054800
Department(s):	ELA
Primary Credit Type:	Eng Lang Arts 2
Credit Hours:	1.0
Grades Eligible:	10
Dual Credit:	No
Repeatable:	No
Course Description:	Pre-AP English 2 builds on the foundations of Pre-AP English 1. While English 1 introduces the fundamentals of close observation, critical analysis, and the appreciation of author’s craft, English 2 requires students to apply those practices to a new array of nonfiction and literary texts. As readers, students become aware of how poets, playwrights, novelists, and writers of nonfiction manipulate language to serve their purposes. As writers, students compose more nuanced analytical essays while never losing sight of craft and cohesion.

Prerequisite:	English Language Arts department placement. Minimum of 85% in PreAP English 1.
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Course Title:	English Language Arts 2
Course Number:	LA28054800
Department(s):	ELA
Primary Credit Type:	Eng Lang Arts 2
Credit Hours:	1.0
Grades Eligible:	10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	This year-long course integrates the study of literature with the writing process. Students will develop techniques for literary analysis and demonstrate attendant critical thinking skills. Finally, students will research specified topics using a variety of resources and will provide documentation consistent with MLA manuscript format.

Course Title:	English Language Arts 3
Course Number:	LA31054800
Department(s):	ELA
Primary Credit Type:	Eng Lang Arts Elective
Credit Hours:	1.0
Grades Eligible:	11, 12
Dual Credit:	No
Repeatable:	No

Course Description:	English Language Arts 3 is a year-long course that focuses on further developing reading, writing, speaking, listening, and thinking skills. Students will further develop techniques for literary analysis and research. They will read, analyze, and respond in writing to various literary genres in the text American Literature as well as various novels, review usage and mechanics and continue to develop vocabulary.
Prerequisite:	Successful completion of English Language Arts 2 or PreAP English 2.
Recommendation:	
Please Note:	This course is not open to students who have taken American Literature and Composition I or II.

Course Title:	Advanced English Language Arts 4
Course Number:	LA34054800
Department(s):	ELA
Primary Credit Type:	Eng Lang Arts Elective
Credit Hours:	1.0
Grades Eligible:	12
Dual Credit:	No
Repeatable:	No
Course Description:	Advanced English Language Arts 12 is a year-long course that focuses on further developing reading, writing, speaking, listening and thinking skills for students who are college-bound but not yet ready for dual-credit or advanced placement courses during their senior year. In order for students to prepare for reading and writing tasks at the college level, they need to study and practice the typical rhetorical modes and broaden their experience with diverse literature.
Prerequisite:	

Recommendation:	Successful completion of junior level English with an A or B. This course is geared toward students planning on attending college and needing practice with college-type writing and analytic skills.
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Course Title:	AP English Language and Composition
Course Number:	LA01054895
Department(s):	College, ELA
Primary Credit Type:	Eng Lang Arts Elective
Credit Hours:	1.0
Grades Eligible:	11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	Advanced Placement English Language and Composition is a year-long course in which students develop advanced rhetorical strategies and writing techniques. Students will explore the relationship between writer, audience, and purpose via the analysis of a wide variety of historical and contemporary, predominantly non-fiction, texts such as speeches, letters, essays, blogs, and articles. Students will develop the ability to compose sophisticated arguments and synthesize multiple resources and perspectives into compelling individual views. They will learn both to revise through multiple drafts and to effectively write on demand" through in-class writings. All students are expected to take the AP exam at the end of the year. "
Prerequisite:	Successful completion of English Language Arts 1 and 2, PreAP English 1 and 2, and have the recommendation of their English Language Arts teacher.

Fine Arts

Course Title:	Art & Design
Course Number:	AR01024100
Department(s):	Visual Arts, EDGE
Primary Credit Type:	Fine Arts
Credit Hours:	0.5
Grades Eligible:	9 - 12
Dual Credit:	No
Repeatable:	No
Course Description:	<p>This semester-long class is an exploration of 2 dimensional and 3 dimensional art media that fall outside our year long course offerings. In addition to art making, topics will include art's historical context and its effects on our modern lives. Curriculum may include, but is not limited to, illustration, printmaking, fiber art or consumer design. This class is non-repeatable and meets .5 of a student's fine art graduation requirement.</p>

Course Title:	Digital Photography
Course Number:	AR03024130
Department(s):	Visual Arts, EDGE
Primary Credit Type:	Fine Arts
Credit Hours:	0.5
Grades Eligible:	9 - 12
Dual Credit:	No
Repeatable:	Yes

Course Description:	Digital Photography is a class that focuses on taking and editing pictures with your cell phone. Students will learn about the history of photography, how to use different settings on their phones for photography, and how to get the best quality photos using lighting, backdrops, etc.
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Course Title:	Global Creations
Course Number:	AR01024199
Department(s):	Visual Arts, EDGE
Primary Credit Type:	Fine Arts
Credit Hours:	0.5
Grades Eligible:	9 - 12
Dual Credit:	No
Repeatable:	Yes
Course Description:	Students will expand their art-making skills using a variety of mediums based on a different focus each semester (ie: Jewelry making, Sculpture, Drawing and Painting, etc.). Our focus will be to investigate the world of art through a cultural lens and how to use art as a voice for change. Skills will be learned through project-based learning focused on the UN Sustainable Development Goals.

International Language

Course Title:	Spanish I
Course Number:	FL04066300
Department(s):	International Language

Primary Credit Type:	Elective
Credit Hours:	1.0
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	Throughout the course, students will develop basic communication skills of reading, writing, speaking, and listening. Hispanic culture will be highlighted.

Course Title:	Spanish II
Course Number:	FL05066300
Department(s):	International Language
Primary Credit Type:	Elective
Credit Hours:	1.0
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	Building on the format of Spanish I, students will increase their vocabulary and will use more complex sentence structure and grammar skills in oral and written work in the present and past. Daily communication skills will be increasingly emphasized. Hispanic culture will be integrated into daily class activities as a natural comparison of cultures.
Prerequisite:	Successful completion of a full year of Spanish I.

Course Title:	Spanish III
Course Number:	FL06066300

Department(s):	International Language
Primary Credit Type:	Elective
Credit Hours:	1.0
Grades Eligible:	10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	This advanced course emphasizes reading, writing, speaking, and listening in the target language. This course consolidates the language skills acquired in introductory level courses and builds communication skills by increasing knowledge of grammatical structures. Culture of the Spanish-speaking world is explored in greater detail.
Prerequisite:	Teacher recommendation if below a B in Spanish II.

Math

Course Title:	Algebra II
Course Number:	MA04115810
Department(s):	Mathematics
Primary Credit Type:	Mathematics
Credit Hours:	1.0
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
Repeatable:	No

Course Description:	Algebra II continues the study of algebra, the representation of quantities using variables and mathematical operations to show relationships. Students will represent relationships and functions with linear equations and explore relationships of direct and indirect variation. Students will explore quadratic functions and perform operations with complex numbers. Polynomials and their properties will be explored and graphed. Students will explore exponential relationships, logarithmic functions, and probabilities.
Prerequisite:	Passed both semesters of Algebra I and completed Geometry.
Recommendation:	If a student does not achieve a grade of C or above in Algebra I, it is suggested that the student take Algebra I in summer school.

Course Title:	Geometry
Course Number:	MA01115865
Department(s):	Mathematics
Primary Credit Type:	Mathematics
Credit Hours:	1.0
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	Geometry is the study of figures, their properties, and their role in the world around us. Students will learn how to identify, measure, describe, and classify geometric figures such as lines, triangles, quadrilaterals, circles, and various solid figures. Students will use reasoning skills and known properties to explore and prove certain relationships such as congruence, similarity, and transformations.
Prerequisite:	Passing grade both semesters Algebra I.
Recommendation:	If a student does not achieve a grade of C or above in Algebra I, it is suggested that the student take Algebra I in summer school.

Course Title:	Global Mathematics
Course Number:	<i>MA10115800</i>
Department(s):	Mathematics, EDGE
Primary Credit Type:	Mathematics
Credit Hours:	0.5
Grades Eligible:	10 - 12
Dual Credit:	No
Virtual:	No
Repeatable:	No
Course Description:	<p>Global Mathematics is a course that examines fascinating topics from the world of mathematics. The curriculum includes mathematical topics from ancient to modern times. Topics include ancient number systems and explorations of the history of Chinese, Indian, Mayan, Babylonian, and European mathematics. Students will use this historical perspective as a basis to utilize mathematics to study and solve current global issues.</p> <p>Throughout the course, students will develop mathematical thinking in the four global competencies that are pillars of the EDGE Microschool: investigate the world, recognize perspectives, communicate ideas, and take action.</p>
Prerequisite:	Successful completion of Algebra II
Recommendation:	For college-bound students, note that this course may not be accepted as a fourth year of math credit. Students should verify with the collegiate institution or take the course as a math elective in addition to the required math coursework for college admissions.

Course Title:	Precalculus with Trigonometry
Course Number:	<i>MA101115861</i>

Department(s):	Mathematics, EDGE
Primary Credit Type:	Mathematics
Credit Hours:	1.0
Grades Eligible:	10 - 12
Dual Credit:	No
Virtual:	No
Repeatable:	No
Course Description:	This year-long course prepares college-bound students for their first semester of calculus or Advanced Placement Calculus AB. The topics covered include functions and their graphs (polynomial functions, rational functions, exponential functions, and logarithmic functions). Also included is the study of trigonometry (sine, cosine, and tangent functions and trigonometric identities).
Prerequisite:	Completion of Geometry, a grade of B or above in Algebra II, or teacher recommendation.

Course Title:	Probability and Statistics I
Course Number:	MA01115875
Department(s):	Mathematics
Primary Credit Type:	Mathematics
Credit Hours:	0.5
Grades Eligible:	11, 12
Dual Credit:	No
Repeatable:	No

Course Description:	This semester course in statistics and probability will give students an introduction to the skills needed to understand and analyze quantitative information that is important in today's society. The topics covered include, but are not limited to, the definition of statistics, frequency distributions, graphing techniques, methods for analyzing data, and the definition of probability, rules of probability, probability distributions, and the normal distribution.
Prerequisite:	Successful completion of Algebra II.

Course Title:	Probability and Statistics II
Course Number:	MA02115875
Department(s):	Mathematics
Primary Credit Type:	Mathematics
Credit Hours:	0.5
Grades Eligible:	11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	This semester course in probability and statistics will be a continuation of material covered in Probability & Statistics I. Topics covered will include confidence intervals, hypothesis testing, correlation, regression, chi-square tests, and the F-distribution.
Prerequisite:	Probability and Statistics I.
Recommendation:	Grade of C or above in Probability & Statistics I.

Practical Arts

Course Title:	International Culinary
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Course Number:	FC03096804
Department(s):	Career, FACS
Primary Credit Type:	Practical Arts
Credit Hours:	0.5
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	International Culinary Arts will expand on food preparation skills and students will learn how other countries prepare common dishes. Students will also explore origins, culture, geography, religion, customs, economics, and historical events that have shaped each country's cuisine.

Course Title:	Social Media in Modern Society - LV
Course Number:	LV01991100
Department(s):	Liberty Virtual
Primary Credit Type:	Practical Arts
Credit Hours:	0.5
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	Social Media in Modern Society examines the impact of how various social media platforms have had cultural, economic and political impact on our lives today. The course will examine the history of social media, impact on social movements, privacy concerns, cyberbullying, marketing, maintaining a positive social media history and concerns about addiction to social media.

Science

Course Title:	AP Environmental Science
Course Number:	SC01134195
Department(s):	College, Science
Primary Credit Type:	Science
Credit Hours:	1.0
Grades Eligible:	11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	This course is designed to be equivalent to an introductory college-level course in environmental science. Students will study 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. Units of study will include the flow of materials and energy throughout the biosphere, renewability of resources, environmental quality, and the human impact on the environment. Upon completion of this course, students will be prepared to sit for the AP College Board Exam.

Course Title:	Biology I
Course Number:	SC01134200
Department(s):	Science
Primary Credit Type:	Science
Credit Hours:	1.0
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No

Repeatable:	No
Course Description:	Students in this course will be introduced to the following topics including the nature of science, biochemistry, ecology, cellular processes, genetics, natural selection, classification, and human body systems. Throughout the year, students will also participate in critical thinking activities and traditional lab investigations. Students will demonstrate understanding through development of laboratory skills, class projects, problem-solving situations, daily assignments, and tests.
Please Note:	All Freshmen will enroll in either Biology I or Honors Biology I.

Course Title:	Honors Biology I
Course Number:	SC03134200
Department(s):	Science
Primary Credit Type:	Science
Credit Hours:	1.0
Grades Eligible:	9, 10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	Students in this course will be introduced to the following topics including the nature of science, biochemistry, ecology, cellular processes, genetics, natural selection, classification, and human body systems. While the course content is similar to Biology I, the Honors Biology I course will conduct more in-depth laboratory investigations with greater statistical analysis and more technical writing of laboratory reports. Throughout the year, students will also participate in critical thinking activities, traditional lab investigations, and mammal dissection. Students will demonstrate understanding through development of laboratory skills, class projects, problem-solving situations, daily assignments, and tests.
Please Note:	All Freshmen will enroll in either Biology I or Honors Biology I.

Course Title:	Honors Theoretical Chemistry
Course Number:	SC03134600
Department(s):	Science
Primary Credit Type:	Science
Credit Hours:	1.0
Grades Eligible:	10, 11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	This introductory course provides students with a thorough understanding of fundamental chemistry concepts. A comprehensive study of chemistry involves manipulation of algebraic equations; therefore, good math skills are important. Students should expect to use algebra in performing calculations throughout the course. Topics of study include matter, atomic structure, the Periodic Table, chemical formulas and reactions, stoichiometry, bonding, gas behavior, and pH, and nuclear chemistry. Students will apply their understanding of chemistry concepts in the laboratory and on individual assessments. This course moves at a faster pace and requires a greater degree of mathematical precision than Theoretical Chemistry.
Prerequisite:	Successful completion of Algebra I.
Please Note:	Fulfills prerequisite for College Chemistry. All sophomores will enroll in either Honors Theoretical Chemistry, Theoretical Chemistry, or Physical Science.

Course Title:	Physics
Course Number:	SC04135900
Department(s):	Science
Primary Credit Type:	Science

Credit Hours:	1.0
Grades Eligible:	11, 12
Dual Credit:	No
Repeatable:	No
Course Description:	This is a general physics survey course recommended for students who want an introduction to physics. Topics covered are vectors, kinematics, dynamics, work and energy, momentum, thermodynamics, electricity and magnetism, and, sound and light. Students are expected to have strong math skills in the problem-solving process. Grades are based on labs, tests, quizzes, and homework. Lectures and labs are used to enhance the course for students. This course is not required for AP Physics 1.
Prerequisite:	Completion of Algebra II or concurrent enrollment in Algebra II.

Course Title:	Theoretical Chemistry
Course Number:	SC02134600
Department(s):	Science
Primary Credit Type:	Science
Credit Hours:	1.0
Grades Eligible:	10, 11, 12
Dual Credit:	No
Repeatable:	No

Course Description:	This introductory course provides students with a thorough understanding of fundamental chemistry concepts. A comprehensive study of chemistry involves manipulation of algebraic equations; therefore, good math skills are important. Students should expect to use algebra in performing calculations throughout the course. Topics of study include matter, atomic structure, the Periodic Table, chemical formulas and reactions, stoichiometry, bonding, gas behavior, and pH. Students will apply their understanding of chemistry concepts in the laboratory and on individual assessments.
Prerequisite:	Successful completion of Algebra I.
Please Note:	Fulfills prerequisite for College Chemistry. All sophomores will enroll in either Honors Theoretical Chemistry, Theoretical Chemistry, or Physical Science.

Social Studies

Course Title:	American Government
Course Number:	SS01156651
Department(s):	Social Studies
Primary Credit Type:	American Government & Economics
Credit Hours:	1.0
Grades Eligible:	11, 12
Dual Credit:	No
Repeatable:	No

Course Description:	During this year-long course, students will examine the principles of constitutional democracy in the United States, the relevance and connection of constitutional principles, processes of government systems including campaigns and elections, the relationships among the three branches of government, and compare different government systems. Students will also be studying the federal and state constitutions. After the study of government, students will study basic economic concepts including supply and demand, factors of production, scarcity, inflation, and monetary and fiscal policies. Different economic systems will be compared with special focus on the characteristics of a market economy and the role of the government. This course, along with the Missouri and U.S. Constitution test, must be passed in order to graduate.
Please Note:	Students may complete this course or AP American Government to fulfill their graduation requirement.

Course Title:	American History
Course Number:	SS01156661
Department(s):	Social Studies
Primary Credit Type:	American History
Credit Hours:	1.0
Grades Eligible:	9
Dual Credit:	No
Repeatable:	No
Course Description:	This year-long course begins with the Reconstruction Period and examines historical events and trends to the modern day. Major early concepts investigated will be Industrialization and growth of the United States, the early 1900s, Imperialism, the Progressive Movement, Isolationism, World War I, the Depression and New Deal, World War II, the Cold War, Civil Rights, and Post-Cold War America. Students will be required to actively participate in their learning, as several unit projects will be completed.

Course Title:	World History
Course Number:	SS01156663
Department(s):	Social Studies
Primary Credit Type:	World History
Credit Hours:	1.0
Grades Eligible:	10
Dual Credit:	No
Repeatable:	No
Course Description:	This year-long course traces the development of world history, especially western civilization, from the early days of civilization through the modern era. The contributions and interactions among major civilizations of Asia, Europe, Africa, the Americas, and the Middle East will be included as students study early world civilizations and cultures, classical Greece and Rome, religions of the world, the Middle Ages, the Renaissance and Reformation, the Age of Exploration & Colonialism, the Scientific Revolution, the Enlightenment, revolutions, Industrialism, Imperialism, nationalism, and 20th century conflicts. The impact of geography and the economic consequences of world events will be an integral component of this course.
Please Note:	Students may complete this course or AP World History to fulfill their graduation requirement.