Lutheran High School

FREMONT

2025-2026

Academic Information

Curriculum Guide

Course Descriptions

Lutheran High School
FREMONT

ACADEMIC INFORMATION

4.0 GRADING SCALE

A+	100-98	D+	73-71
A	97-95	D	70-68
A-	94-92	D-	67-65
B+	91-89	F	64 and below
B	88-86		
B-	85-83		
C+	82-80		
C	79-77		
C-	76-74		

5.0 AP WEIGHTED GRADING SCALE

A+	100-98	D+	73-31
A	97-95	D	70-68
A-	94-92	D-	67-65
B+	91-89	F	64 and below
B	88-86		
B-	85-83		
C+	82-80		
C	79-77		
C-	76-74		

HONOR ROLL CRITERIA

High Honors with Distinction	3.95 Weighted GPA & above	
High Honors	"A+ Honor Roll"	3.70-3.949 weighted GPA & above
Honors	"A Honor Roll"	3.50-3.699 weighted GPA & above

COURSE CREDIT

Semester Class – 5 Credits
Year-Long Class – 10 Credits
NDE/LuHi Minimum to graduate – 200 Credits/240 Credits

Department	NDE Minimum	LuHi Credits	LuHi Semesters	UNL Semesters
Theology	0	40	8	
Mathematics	20	20	4	8
Science	20	20	4	6
Language	40	40	8	8
Foreign Language	0			4
Social Science	30	30	6	6
Fine Arts	5	5	1	
Health/Phys Ed	10	10	2	
CTE	40	40	8	
Elective	35	35	5	
TOTAL CREDITS	**200**	**240**	**46**	

Enrolling in Classes outside of Lutheran High

We recognize course work from other educational institutions when classes are equivalent. If credit is desired on the Lutheran High transcript, prior approval by the school Guidance Counselor or Principal is required using the Credit Approval Form.

Homeschool Courses

To receive credit for homeschool courses that are not from a Nebraska accredited school, community college, or University of Nebraska High School online, please submit a course syllabus that lists resources and a description of how the final grade is earned as well as a copy of the Acknowledgment Letter from the Nebraska Dept of Education granting your family Exempt Home School Status (Rule 13, dual enrollment Step 3C).

Transfer Credits and GPA

Students who transfer credit to Lutheran High will have all approved courses and letter grades added to their transcript for credit purposes only. Transfer grades will not be rolled into Concordia High School's cumulative grade point average calculation.

School Records/Transcripts

Unofficial transcripts may be downloaded from FACTS with no charge. Official transcripts can be ordered through the school. Transcripts will be processed within five business days.

Grade Point Average (GPA)

GPA is the sum of grade points earned in a course multiplied by the number of credits for that course. This sum is then divided by the total number of credits attempted for that semester. GPA is rounded from the hundredth decimal place to determine Honor Roll or Superior Honor Roll eligibility.

Advanced Placement (AP)

Advanced Placement (AP) courses are weighted by one GPA point. Earning an A will be 5.0 points, B = 4.0, etc. Once a student takes a weighted course, their entire GPA is considered "weighted".

Rank

In close collaboration with local and national college admissions, Concordia Jr.-Sr. High School does not rank due to the nature of our small class sizes, except for Valedictorian and Salutatorian of the senior class. Students are classified as follows:
Summa Cum Laude – A graduating senior with a cumulative GPA of 4.0 or greater
Magna Cum Laude – A graduating senior with a cumulative GPA between 3.800 – 3.999
Cum Laude – A graduating senior with a cumulative GPA between 3.600 – 3.799

Valedictorian and Salutatorian

Valedictorian and Salutatorian are determined by GPA. The number of weighted classes taken influences GPA. To be eligible, students must be in attendance full time for a minimum of 6 semesters.

Advanced Placement Courses

Advanced Placement (AP®) Courses prepare students for College Board's standardized exams, which are widely accepted by universities in lieu of specific undergraduate courses. AP® exams are high stakes - meaning low scores will not be accepted by colleges. Students do not have to take the exam but are encouraged to do so. **Many Advanced Placement courses are available through Acellus at no additional cost.**

Requirements for the Advanced Placement Program

Students should have a junior or senior status, however freshmen and sophomores may enroll based on their academic performance and with the approval of the Guidance Counselor. Students must have a cumulative GPA of 3.0 or higher.

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Mathematics
Math Facts –Addition/Subtraction
Math Facts–Multiplication/Division
Math for Success
Pre-Algebra
Pre-Algebra Spanish
Foundational Algebra
Algebra I
Algebra I Spanish
Foundational Geometry
Geometry
Algebra II
Integrated Mathematics I
Integrated Mathematics II
Integrated Mathematics III
Business Math
Pre-Calculus
College Exam Math Prep
Trigonometry
AP Calculus AB
AP Calculus AB Exam Prep
AP Calculus BC
AP Statistics

Language Arts/Reading
High School Reading for Success
Lang Arts/Rdg Concepts for High Schl
High School English I
High School English II
American Literature-English III
College Prep English IV
British Literature-English IV
AP English Language and Composition
AP English Literature and Composition

Social Studies
United States History
World History
World Geography
US Government and Civics
Epic Moments in World History
US History A 1870-1940
US History B 1940-21st Century
AP United States History
AP World History Modern
AP European History
Personal Finance
Economics
Psychology
AP Psychology
*US History Through Film

Social Studies Continued
*World History Through Film
*American Pop Culture

Science
Earth Science
Physical Science
Honors Biology
Environmental Science
Introduction to Physics and Chemistry
Honors Chemistry
Honors Physics
AP Biology
AP Chemistry
AP Environmental Science
AP Physics General Chemistry

Fine Arts
Collaborative Theatre
Foundations of Music
Music Appreciation
AP Drawing
AP Music Theory
*Choir
*Band
*Orchestra
*Worship Arts
*Guitar I
*Guitar II
*Handbells
*Drawing/Painting I
*Drawing/Painting II
*Graphic Design I
*Graphic Design II
*Photography
*One Act
*Art History

Foreign Language
American Sign Language
French I
French II
Spanish I
Spanish II
Spanish III
German I
German II

Health & Physical Education
Physical Education
High School Health
*Health in Christian Perspective

Health & Phys. Ed.-Continued
*Land & Water Activities
*Swimming Certification
*Lifeguard Certification

CTE Courses
Personal Finance
Investigating Careers
College & Career Readiness
Introduction to JAVA
Mastering Microsoft EXCEL
Information Management I & II
Fundamentals of Design
Introduction to Accounting
Accounting I
Principles of Agriculture
Agriculture I & II
Plumbing Technology I & II
HVAC Technology I
HVAC Technology II
Electrical Technology I
Electrical Technology II
AP Computer Science Principles
AP Computer Science A
Medical Technology
Instructional Standards in Education
Principles of Business, Mktg & Finance
Business Management
Robotics Dance Programming
STEM I-Introduction to Coding
STEM II-JAVAScript
STEM III-Electronics & Coding
Elementary engineering
*Vocational Agriculture (Vo-Ag)

Theology
*Theology I-Old Testament
*Theology II-New Testament
*Theology III-Religions of the World
*Theology IV-Marriage & Family
*Theology V-Christian Mission
Theology VI-120 Bible Stories

Electives
Driver Safety
Discover Portuguese
*Family/Consumer Sci. Culinary Arts 1
*Family/Consumer Sci.-Culinary Arts II
*Banzai Personal Finance
*Banzai Digital Citizenship
*Banzai College & Careers

* *Taught by Lutheran High Faculty.*

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COURSE DESCRIPTIONS

MATHEMATICS 2025-2026

MATH FACT PRACTICE – ADDITION & SUBTRACTION

Math fact drills are strategically integrated throughout math courses. This supplemental course provides an additional series of drills to augment other instruction and provide additional practice.

MATH FACT PRACTICE – MULTIPLICATION AND DIVISION

Math fact drills are strategically integrated throughout math courses. This supplemental course provides an additional series of drills to augment other instruction and provide additional practice.

MATH FOR SUCCESS

Math for Success was created to help high school students that need additional basic math skills to be successful with Algebra.

PRE-ALGEBRA

The Pre-Algebra course is designed to help students become ready for algebra by ensuring they have a firm understanding of pre-algebra mathematical concepts. Course topics include: Algebraic Expressions with Integers, Rational Numbers and Exponents, Applying Irrational Numbers to Pythagorean Theorem, Transformations, Angles and Pairs of Lines, Volume of Circular Solids, Linear Functions, Systems of Linear Functions, and Scatter Plots.

PRE-ALGEBRA SPANISH

FUNMath Spanish was developed to ensure that students whose primary language is Spanish have a strong foundation in basic mathematical concepts prior to moving them on to more advanced topics. We have observed that students with a weak foundation in mathematics often struggle in Algebra. FUNMath Spanish helps students to fill in the holes in their understanding, helping them build a strong foundation of basic mathematical concepts from which they can build their understanding of Algebra.Although FUNMath Spanish has been successfully used for students in grades 5-9, we recommend that students take this course at either the end of grade 7 or 8, or at the beginning of grade 9 as a refresher for students preparing to take Algebra Spanish. FUNMath Spanish incorporates the English math terminology so that Spanish-speaking students can transition to the English language courses as effortlessly as possible. FUNMath Spanish is NCTM standards based. It is taught by award-winning Acellus Master Teacher, Nancy Arroyo.

FOUNDATIONAL ALGEBRA

Foundations of Algebra was created for students struggling with the lowest level of rigor in Algebra. Greater emphasis is placed on the most important concepts. The course is useful for students who are not planning to enter higher education or as a precursor to Algebra I.

ALGEBRA I

Algebra I consists of a journey through fundamental mathematical and algebraic concepts, divided into twelve units. This course is recommended for high school and advanced middle school students who have successfully completed a Pre-Algebra course.

ALGEBRA I SPANISH

Algebra Spanish teaches students the basic principles, rules, and operations of working with expressions containing variables. Algebra Spanish incorporates English math terminology so that Spanish-speaking students can transition to math classes taught in English as effortlessly as possible. This course has been developed for students in grades 8 and above. We recommend that students complete FunMath Spanish prior to taking this course to ensure that they have a strong foundation of basic mathematical principles on which to build. This NCTM standards-based course is taught by award-winning Master Teacher, Nancy Arroyo.

FOUNDATIONAL GEOMETRY

Foundational Geometry was created for students struggling with the lowest level of rigor in Geometry. Greater emphasis is placed on the most important concepts. The course is useful for students who are not planning to enter higher education or as a precursor to Geometry.

Geometry

Geometry provides students with a knowledge of geometric concepts and guides them through the process of developing important mathematical reasoning and proof skills. Students also gain a perspective of how geometry is an integral part of everyday life. Geometry is taught by award-winning Master Teacher, Patrick Mara.

Algebra II

Algebra II builds upon the algebraic concepts taught in Algebra I, continuing to functions, expressions, etc. and providing students with a more in-depth understanding of algebraic concepts. It is taught by award-winning Master Teacher, Patrick Mara.

Integrated Mathematics I

Integrated Mathematics I, taught by Patrick Mara, is the first course of a three-part series that includes algebra, geometry, probability, and statistics. This high school math pathway is patterned after an approach typically seen internationally.

Integrated Mathematics II

Integrated Mathematics II, taught by Patrick Mara, is the second course of a three-part series that includes algebra, geometry, probability, and statistics. This high school math pathway is patterned after an approach typically seen internationally. Acellus Integrated Mathematics II is A-G Approved through the University of California.

Integrated Mathematics III

Integrated Mathematics III, taught by Patrick Mara, is the last course of a three-part series that includes algebra, geometry, probability, and statistics. This high school math pathway is patterned after an approach typically seen internationally.

Business Math

Business Math students gain knowledge of the specific applications of mathematics in the business world. They begin with the mathematical aspects of personal business, and move into banking, real estate, vehicles, and insurance. They become familiar with manufacturing and employment costs, discounts, maintenance, professional services, and marketing costs, and business accounting.

Pre-Calculus

Pre-Calculus, a full year course, is recommended for high school students seeking a high school diploma having a strong aptitude for math. It covers the foundational skills needed for success in Calculus. Recommended for students planning to pursue a college career path, especially for those planning a career in STEM fields of study. Students should successfully complete Algebra II and Trigonometry before taking this course. Pre-Calculus is taught by award-winning Acellus Master Teacher, Patrick Mara.

College Exam Math Prep

College Exam Math Preparation course has been specially developed to help students prepare to take the math portion of the ACT or SAT college entrance exam. Students watch as problems similar to those presented in these exams are solved in the high-quality video lessons. After each lesson students are presented with several similar problems to enable them to practice the concepts that they have just reviewed. It is taught by award-winning Acellus Master Teacher, Patrick Mara. This course is an excellent review for all students preparing to take either the ACT or SAT. Students completing the College Exam Math Preparation course should be well prepared to take the math portion of these very important exams.

Trigonometry

In Trigonometry, students learn about the relationships between the sides and the angles of triangles and how to make calculations based on them using trigonometric functions. Trigonometry is taught by award-winning Master Teacher, Patrick Mara.

AP Calculus AB

AP Calculus AB provides students with an understanding of the advanced concepts covered in the first semester of a college Calculus course. Students gain an understanding of differential and integral Calculus and how they are used to solve real-world problems. Besides learning how to use the basic tools of Calculus, students completing this course learn on a deeper level what they are really doing and why it works. AP Calculus AB is taught by veteran AP Calculus teacher, Patrick Mara. This course has been audited and approved by the College Board. Students completing this course will be well-prepared for the AP Calculus AB Exam, enabling them to earn college credit for taking this course while yet in high school.

AP Calculus AB Exam Prep

The AP Calculus AB Exam Prep course was designed for students to quickly and efficiently review many concepts typically covered on the AP Calculus AB Exam. After being shown step-by-step how to solve several carefully selected exam-like problems on a particular topic, students are given similar problems to cement their understanding. Two videos are provided for each lesson, giving students a "fast track" option as well as additional, more detailed instruction. The AP Calculus AB Exam Prep course was developed by Patrick Mara, who is the instructor for the Acellus AP Calculus course. (The Acellus AP Calculus course is authorized by the College Board for the use of "AP" in the title.) Patrick Mara is a veteran AP Calculus teacher and has been an AP exam reader in past years. He has an excellent background as to the key topics and types of questions that are covered on the exam. This course can be used either in conjunction with AP Calculus or as a stand-alone preparation course following other AP Calculus AB curriculums.

AP Calculus BC

AP Calculus is a two-part advanced placement course providing students with the curriculum required by the College Board for AP Calculus AB and BC. Students completing this course will be able to take the AP Calculus exam, enabling them to earn college credit for taking this course while still in high school. Besides learning how to use the basic tools of Calculus, students completing this course learn on a deeper level what they are really doing and why it works. This provides insight few students experience in more conventional Calculus courses, empowering them with the knowledge required to solve real world problems. AP Calculus BC is taught by veteran AP Calculus teacher, Patrick Mara.

AP Statistics

AP Statistics has been audited and approved by the College Board to provide students with a college-level learning experience. In this course, students learn about the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students should successfully complete Algebra II prior to taking this course. .

HIGH SCHOOL READING FOR SUCCESS

This course was created to help high school aged students that need to improve basic reading skills.

LANGUAGE ARTS/READING CONCEPTS FOR HIGH SCHOOL

The focus of Language Arts/Reading Concepts for High School is on filling in holes in reading and writing skills, with a special emphasis on how to read and respond in writing to a variety of texts. Course topics include: Reading Strategies, Narrative Writing, Point of View and Figurative Language, Wonderful Words, Expository Essay, Power of Poetry, Drama, Speaking Your Words, Informational Texts, Writing, Research, and Analyzing Text. Language Arts/Reading Concepts for High School is taught by Instructor Dawn Bates.

HIGH SCHOOL ENGLISH I

The High School English I course provides a detailed investigation of literary techniques and devices using classics from American and English literature as examples. It explains how to recognize these techniques and to incorporate them into writing. It also presents strategies for expanding vocabulary through reading and provides focus on grammar skills for advanced writing. Course topics include: Plot, Setting, Conflict, and Irony, Characterization and Theme, Point of View, Narrator and Voice, Cause and Effect, Autobiography, Memoirs, and Biography, Persuasive, Expository, and Descriptive Essays, Speech in Writing, Editorials, Elements of Poetry and Poetic Devices, and Drama.

HIGH SCHOOL ENGLISH II

The English II course is designed to deepen students' understanding and appreciation of literature while developing their language and communication skills. Throughout the course, students will engage with a variety of texts, including novels, short stories, speeches, poetry, and informational texts. They will explore key literary elements and techniques, such as theme, characterization, figurative language, and author's purpose, and learn how these elements contribute to the overall meaning and impact of the texts. The course also emphasizes the development of critical reading and writing skills, including active reading strategies, vocabulary analysis, grammar proficiency, essay writing, and research skills. By the end of the course, students will have honed their analytical and expressive abilities, enabling them to effectively engage with and interpret a wide range of literary and informational texts. Through the comprehensive and diverse range of texts and activities in this course, students will not only enhance their reading, writing, and critical thinking abilities but also develop a deeper understanding of the power of language and its role in literature and persuasive communication.

AMERICAN LITERATURE-ENGLISH III

This American Literature course offers a comprehensive exploration of the diverse literary landscape of the United States, spanning from the rhetorical foundations of early American documents to the modernist movements of the 20th century. Students will analyze rhetorical strategies, study narrative and poetic elements, delve into Gothic literature, and examine works that spurred social reform. The course also emphasizes developing analytical writing skills and grammatical composition. Finally, students will gain skills in research and professional writing. Course topics include: Rhetoric for Freedom, Solitude and Community, Analytical Writing, Gothic Literature, Voices and Reform, From Sea to Shining Sea: Regionalism, Tales that Transcend: Modernism, and Resume and Research.

COLLEGE PREP ENGLISH IV

As students transition from High School to College or into the work force, their ability to apply language arts skills in real-world scenarios becomes essential. In the College Prep-English IV course, students learn practical strategies for effective writing in college or on the job, including how to write scholarly essays, concise technical reports, compelling resumes, and professional business emails. Grammar, vocabulary, and spelling tips round out the course to empower college/employment-bound students for success in their post-high school endeavors. Course topics include: Organizing and Writing a Resume, Reading for Comprehension, Overview of Types of Writing, Persuasive and Scholarly Essays, Research Papers, Grammar and Vocabulary, Making Effective Presentations, Writing Opinions and Technical Papers, Writing Reports, and Writing Effective Emails.

BRITISH LITERATURE-ENGLISH IV

British Literature is a robust high school English IV course for 11th and 12th grade students that examines British Literature as it has developed through the ages against an historical backdrop. It exposes students to classic works of fiction and nonfiction, including epics, legends, poetry, histories, novels, and drama from early Anglo-Saxon texts to post-modern pieces. In addition to the study of literature, the course includes four units focused on writing to give students practice in critical thinking which they translate into written analysis. A strong addition to the writing units is a detailed step-by-step guide through the process of writing a research report, reinforcing students' preparation for their future in college or career. British Literature - English IV is taught by Jarius Tapp.

AP ENGLISH LANGUAGE AND COMPOSITION

Acellus AP English Language and Composition, taught by Instructor Jairus Tapp, is designed for students who have mastered the basic English curriculum and wish to be challenged by higher-level reading and analysis. Students analyze and interpret good writing and apply effective strategies in their own writing while also preparing for the AP Exam. AP English Language and Composition has been audited and approved by College Board.

AP English Literature and Composition

AP English Literature and Composition, taught by Instructor Jairus Tapp, is designed for students who have mastered the basic English curriculum and wish to be challenged by higher-level reading and analysis. It engages students in becoming skilled readers and writers of prose from a variety of rhetorical contexts. The course also includes AP Exam prep. AP English Literature and Composition has been audited and approved by College Board.

UNITED STATES HISTORY

United States History, taught by Todd Edmond, provides a thorough examination of United States history from the days of reconstruction to modern America. Students will explore significant events, social movements, and political developments that have shaped the nation's trajectory. The course begins by studying the end of the Western frontier, the Age of Enlightenment, and the creation of the Constitution. It then delves into the Industrial Revolution, immigration boom, Progressive Era, and America's imperialistic endeavors during the Spanish-American War.

Continuing the journey through history, students will analyze the impact of World War I, the Roaring Twenties, and the Great Depression. They will explore the causes and consequences of these transformative periods, including the rise of industrial tycoons, the fight for civil rights, and the implementation of the New Deal policies. The course also covers World War II, the Cold War era, and the Civil Rights Movement, highlighting significant events, key figures, and societal changes that shaped these periods.

In the latter part of the course, students will study the Vietnam War, social changes of the 1970s, and the domestic policies of presidents from Carter to Clinton. The course also addresses the impact of drug abuse, the evolving dynamics of U.S.-Mexico relations, and the challenges of the post-9/11 War on Terror. By the end of the course, students will have a comprehensive understanding of the historical forces that have shaped the United States and its role in the modern world.

WORLD HISTORY

World History, a full year course, delves into the history of world civilizations. This course covers major events in history, from the dawn of civilization up through present-day. Students will study the geography and populations of different areas. Students will study the major events that have shaped society and discuss how different cultures and conflicts have affected the world as we know it today. World History is taught by Instructor Todd Edmond.

WORLD GEOGRAPHY

World Geography course, taught by Instructor Todd Edmond, investigates the earth in which we live, providing an in-depth look at the physical attributes of its lands and oceans, as well as the how its climate and geographical features have shaped the culture and economy of the people that live in specific regions. Students will explore how people deal with difficult environments and how they use their environment to their advantage. They will investigate geography-related challenges that lie ahead, as well as physical resource management. This course provides high school students with a strong foundation in world geography helping them to better understand the world around them.

US GOVERNMENT AND CIVICS

US Government and Civics introduces students to the fundamental principles the U.S. Constitution is based upon, and how our government is run today. Throughout this course, students will study the founding of our country, how and why the American Revolution began, and how the law of our land was formed. They will also learn about the rights and duties of American citizens. US Government and Civics is taught by Instructor Todd Edmond.

EPIC MOMENTS IN WORLD HISTORY

Epic Moments in World History is an elective History course that will take students through the beginnings of civilization, to the present day, looking into just how our global society has evolved into the world we now live in. Epic Moments in World History is taught by Instructor Todd Edmond.

U.S. HISTORY A 1870-1940
U.S. HISTORY B 1940-21ST CENTURY

United States History, taught by Todd Edmond, provides a thorough examination of United States history from the days of reconstruction to modern America. Students will explore significant events, social movements, and political developments that have shaped the nation's trajectory. The course begins by studying the end of the Western frontier, the Age of Enlightenment, and the creation of the Constitution. It then delves into the Industrial Revolution, immigration boom, Progressive Era, and America's imperialistic endeavors during the Spanish-American War.

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In the latter part of the course, students will study the Vietnam War, social changes of the 1970s, and the domestic policies of presidents from Carter to Clinton. The course also addresses the impact of drug abuse, the evolving dynamics of U.S.-Mexico relations, and the challenges of the post-9/11 War on Terror. By the end of the course, students will have a comprehensive understanding of the historical forces that have shaped the United States and its role in the modern world.

Throughout the course, students will develop critical thinking skills, engage with primary and secondary sources, and analyze complex historical phenomena. The course aims to foster a nuanced understanding of American history, enabling students to comprehend the nation's past, evaluate its present, and navigate its future.

AP United States History

AP United States History, taught by Todd Edmond, has been audited and approved by College Board to provide students with college-level learning experience. In this course, students learn about the developments that have shaped United States history through the critical analysis of historical events and materials.

AP World History Modern

In AP World History: Modern, students will explore the major themes and skills necessary to analyze historical events and developments. The course is divided into nine units, each focusing on a different period and topic in world history. The units delve into specific topics such as trade networks, land-based empires, transoceanic interconnections, revolutions, consequences of industry, global conflict, Cold War and decolonization, and globalization. Students will examine the expansion of trade, the rise and strategies of land-based empires, the exploration and colonization of the Americas, Africa, and Asia, the Age of Revolutions, the consequences of industrialization, global conflicts in the 20th century, the Cold War and decolonization, and the processes and effects of globalization.

Throughout the course, students will analyze causation, explore different cultures and civilizations, compare and contrast societies, and examine the interconnectedness of historical events and developments. By the end of the course, students will have gained a comprehensive understanding of world history and the ability to analyze and interpret historical phenomena.

AP World History: Modern has been audited and approved by the College Board to provide students with a college-level learning experience.

AP European History

European History takes students on an in-depth exploration of the major political, social, cultural, and economic developments that shaped Europe from the Renaissance to the present day. Students will critically examine key historical events and movements, including the Renaissance, Reformation, Absolutism, the Scientific Revolution, Enlightenment, and the conflicts of the 20th century. Through primary source analysis, argumentative writing, and historical inquiry, students will gain a deep understanding of the evolution of European society and its impact on the modern world. This course emphasizes the development of historical thinking skills and prepares students for the AP European History exam. AP European History is taught by Paul Sargent.

Economics

The Economics course provides students with an introduction to the foundational principles of the economics of the world. Instruction ranges from markets and demand, GDP, banking, policy, inflation, and unemployment, to trade, currency and competition. Economics is taught by Instructor Mark Rogers. This course was developed by the International Academy of Science.

Psychology

Psychology introduces students to the science of psych. Students learn foundational knowledge regarding the scientific method, and human anatomy, and apply this to the study of memory, learning, stress, thought and personality, and states of consciousness. Students also analyze common psychological disorders career paths within Psychology. Psychology is taught by Doug Day. This course was developed by the International Academy of Science.

AP Psychology

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. Topics discussed include: Biological bases of behavior, Sensation and Perception, Learning and Cognition, Motivation, Developmental Psychology, Testing and Individual Differences, Treatment of Abnormal Behavior, and Social Psychology. AP Psychology is taught by Scott Anderson. This course has been audited and approved by the College Board. This course was developed by the International Academy of Science.

EARTH SCIENCE

Earth Science investigates the earth's structure and composition, its changing surface, and the role that energy plays in earth systems. It explores the earth's ecological resources and atmosphere, its water cycle, and weather. It further discusses the earth's land masses and its relationship in space. Students learn to use scientific thinking, investigations, tools, and technologies.

PHYSICAL SCIENCE

Matter can be defined as anything that takes up space and has mass. Energy can be defined as the ability to cause change in matter. Physical Science is the study of matter and energy. Students in Physical Science study the basic components that matter is made of, as well as different forms of energy that make things move and change. Enlightening, on-screen demonstrations of the concepts being taught bring the science to life and enhance student understanding. Course topics include: Matter, Elements, Energy, Magnetism, Electricity, Circuits, and Resistance, Waves, Sound, Electromagnetic Energy, Light, Color, and Lenses, Force, Motion, Machines, and Resources.

HONORS BIOLOGY

Honors Biology provides an in-depth introduction to biology, the study of life. A major focus of this course is the cell – its structure and function, cell transport and cellular energy, and how cells divide. Students will explore genetics and learn about DNA. Units on ecology and evolution are also included. Additional lessons have been included in this course to provide students with the more in-depth understanding that they will require for AP Biology. Honors Biology is taught by Levi Goes.

ENVIRONMENTAL SCIENCE

Environmental Science provides high school students an introduction to the study of the natural world and how it is influenced by human activity. Students will explore the patterns and processes of Earth and how these are affected by natural and human impacts. They will study environmental problems that our planet is facing today and various efforts to solve these problems, ultimately understanding the need for a sustainable future. Environmental Science is taught by Mike Carney.

INTRODUCTION TO PHYSICS AND CHEMISTRY

In this comprehensive science course, students will cover a wide range of topics related to motion, forces, energy, waves, matter, chemical reactions, and nuclear processes. They will learn to interpret motion using graphical representations, calculate forces, mass, and acceleration, and apply engineering design principles. The course will also delve into energy types, calculations, and transformations, exploring heat transfer and real-world applications. Students will study electricity, magnetism, chemical bonding, compounds, and chemical reactions, as well as explore elements and their properties on the periodic table. Additionally, they will investigate reaction rates, nuclear decays, and renewable and non-renewable energy sources with a focus on real-world implications and practical applications. Throughout the units, students will engage in critical thinking, problem-solving, and experimental design to build a comprehensive understanding of physical and chemical processes in the world around them.

HONORS CHEMISTRY

Honors Chemistry provides students with an in-depth introduction to chemistry. Students are introduced to various forms of matter. They learn about the basic components of the atom and electron orbitals. They will become familiar with the Periodic Table and learn how to use it to predict properties of specific elements. They will learn about chemical bonding, practice stoichiometry, and learn basic reactions. An introduction to organic chemistry is also included. Additional lessons have been included in this course to provide students with the more in-depth understanding that they will require for AP Chemistry. Honors Chemistry is taught by Dr. James Chapman.

HONORS PHYSICS

Honors Physics instructor, Dr. Russell Clothier, leads students through an investigation of matter and its motion through time and space, along with related concepts such as energy and force. The Honors Physics course was developed to help students build a strong foundation in basic physics prior to taking Advanced Placement Physics. We have found that students often struggle with AP Physics when they have a weak foundation in the basic concepts and mathematical skills of general physics. Honors Physics helps to fill in holes in student understanding, helping them to create a strong foundation of general physics concepts upon which they can build.

AP BIOLOGY

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations by exploring topics in the following areas: Evolution Drives the Diversity and Unity of Life, Water Potential, Cell Structure, Cellular Respiration, Pigments and Photosynthesis, The Cell Cycle, Mitosis and Meiosis, History of Genetics, Human Genetics, Chromosomal Alterations, DNA and Genes, Viruses and Bacteria, Classifications, Animalia, and Ecosystems, Population Growth, and Interaction. AP Biology is taught by Marcia Umscheid. It is recommended that students complete Biology and Chemistry prior to taking AP Biology. AP Biology has been audited and approved by the College Board.

AP Chemistry

AP Chemistry has been audited and approved by the College Board to provide students with a college-level learning experience. Structure and states of matter, intermolecular forces, and reactions are some of the topics covered. Students should successfully complete Chemistry prior to taking this course. AP Chemistry is especially recommended for those planning a college career path in a STEM field of study.

AP Environmental Science

The AP Environmental Science course encourages students to engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Throughout the course and its lab sessions, students will analyze environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. This interdisciplinary course embraces topics from geology, biology, environmental studies, environmental science, chemistry, and geography. It is recommended for students who have completed Algebra I and two years of high school laboratory science. This course is California A-G approved and has been audited and approved by the College Board to provide students with a college-level learning experience. AP Environmental Science is taught by Mike Carney.

AP Physics

AP Physics 1 is an algebra-based, introductory college-level physics course. Students expand their understanding of Physics through inquiry-based investigations as they explore topics such as: Kinematics, Dynamics, Circular Motion and Gravitation, Energy, Momentum, Rotational Motion, Simple Harmonic Motion, Mechanical Waves, Electrostatics, Circuits, and Problem Solving.
It is recommended that students complete Physics prior to taking this Algebra-based course. AP Physics 1 is taught by Greg Spiegel. This course has been audited and approved by the College Board.

COLLABORATIVE THEATRE

The Collaborative Theatre course focuses on the network of art forms that all work together to tell a story on the stage. Students will examine the inception of theatre and its history as well as the tools and techniques of theatre artists, both onstage and backstage. They will also explore elements of design, including scenic and costume design. The course will conclude with a look at careers in the professional and academic theatre industry. Collaborative Theatre is taught by Instructor Thomas Czerkawski.

FOUNDATIONS OF MUSIC

Foundations of Music introduces students to music and basic musical terminology. Students will study select composers, musical periods, and the various families of musical instruments. Students will also be exposed to different musical genres and styles.

MUSIC APPRECIATION

The Music Appreciation course provides an overview of the development of western music from Pre-Renaissance to Modern times on the European continent and in America. The focus is on select composers and how the influenced musical styles – and on enjoying our rich heritage of music. Course topics include: Renaissance Music, Baroque Music, Classical Music, Pre-Romantic Music, Early Romantic Music, Mid-Romantic Music, Late Romantic Music, and Twentieth Century Music. Music Appreciation is taught by Instructor Dr. Eileen Dayton.

AP DRAWING

The AP Drawing course is designed to provide students with a comprehensive understanding of the fundamentals of drawing. The course is divided into sixteen units, each of which focuses on a different aspect of drawing. In the first unit, students will be introduced to the course and its various components, including the sustained investigation, and will learn about the importance of ethics, artistic integrity, and plagiarism.

The units will cover topics such as drawing vocabulary and skills, physical and digital work submission, generating ideas for sustained investigation, materials, processes, and ideas, critique and analysis, and revision. Students will also learn about drawing mediums and techniques, composition and design, mark making and line exploration, light and shade, line direction and form, figure-ground relationship and space, pencil sighting, color theory and techniques, and drawing the human figure and portraiture. Throughout the course, students will engage in hands-on practice and experimentation to develop their own unique drawing style. They will also learn how to use different mediums and techniques effectively, as well as how to properly photograph and edit their artwork for submission. At the end of each unit, there will be a review and exam to assess students' understanding of the material. By the end of the course, students will have gained a comprehensive understanding of the fundamentals of drawing and will have created a cohesive body of work to showcase their mastery of the concepts covered. AP Studio Art - Drawing has been audited and approved by the College Board.

AP MUSIC THEORY

This rigorous AP Music Theory course, taught by Ky Hascall, provides students with a foundation of theory, including elements of musical composition. It is an excellent for students desiring a music-related career and for those taking the AP Music Theory exam. Course topics include: Theory foundations, Compound Meters and Minor Tonality, Intervals, Triads, and Seventh Chords, Counterpoint – Connecting Melodic and Harmonic Intervals, Establishing the Two-Voice Composition, Eighteenth Century Counterpoint, Harmonization, Tones and Scales, Diatonic Sequences, and Preparing for the AP Test. AP Music Theory has been audited and approved by the College Board. This course was developed by the International Academy of Science.

AMERICAN SIGN LANGUAGE (ASL)

In this ASL course, students will start by learning the basics like the five parameters of signing and the alphabet. They'll practice fingerspelling and get familiar with common greetings and colors. As they progress, they'll dive into more complex topics such as family relationships, emotions, and everyday activities. Each unit builds on what they've learned before, with plenty of opportunities for practice and review. By the end of the course, students will be able to converse in ASL on a wide range of topics, from talking about their families to discussing the weather or shopping. They'll also gain insight into Deaf culture and history, understanding how ASL is used in everyday life and its significance to the Deaf community. With these skills, students will be well-equipped to communicate effectively in ASL at the novice level and engage respectfully with Deaf individuals and communities.

FRENCH I

This introductory French Course, taught by Instructor Katrina Carey, is for high school students taking their first course in this language with a goal of mastering French as a second language Course topics include: Introduction to French, Greetings, Numbers, Vocabulary, Verbs and Verb Conjugations, Currency, Familiar Nouns, Basic Conversation, and French Culture.

FRENCH II

This course is recommended for students having a basic understanding of the French language who want to further their understanding and develop fluency. Students extend their vocabulary and their understanding of subject-verb agreement. Students experience French used in conversations and learn how to construct basic phrases needed to effectively communicate in the language. French II is designed to follow French I and is taught by Course instructor, Katrina Carey.

DISCOVER SPANISH PART I

This course is designed for students seeking a mastery of Spanish as a second language. The course is taught by the Discover Method, making it the right choice for students of any native tongue having little or no Spanish background. Discover Spanish incorporates the syntax, vocabulary and pronunciation needed to comprehend Spanish in an everyday environment. This course is ideal for students learning Spanish for the first time, or for a student needing extra practice and help improving their understanding of the Spanish language. Discover Spanish can be used in a stand-alone environment or to supplement teacher instruction in the classroom in a blended learning environment. This course was developed by the International Academy of Science.

SPANISH I

Spanish 1 is a Novice Mid performance level class organized around themes and topics. In this class, students will learn basic vocabulary and grammar concepts. Additionally, students will gain cultural knowledge of Spanish speaking cultures around the globe. Students will learn to communicate with others and talk about a variety of topics such as leisure activities and hobbies, their classes and school life, their families, as well as parties they may plan for various holidays and important dates. This course is taught by Course Instructor Emily Brown.

SPANISH II

Spanish II is a Novice Mid performance level class organized around themes and topics. In this class, students will learn basic vocabulary and grammar concepts. Additionally, students will gain cultural knowledge of Spanish speaking cultures around the globe. Students will learn to communicate with others and talk about a variety of topics such as daily activities and routines, travel, their childhood, news and emergency situations, and fairy tales and legends. This course is taught by Course Instructor Emily Brown.

SPANISH III

In Spanish III, students will gain cultural knowledge of Spanish speaking cultures around the globe. Students will learn to communicate with others and talk about a variety of topics such as past travels and vacations, an array of environmental topics, professions, parts of a city, and the importance of volunteerism and service learning opportunities. This course is taught by Course Instructor Emily Brown.

GERMAN I

This introductory German course, taught by Emily Meier, is for students with a goal of mastering German as a second language. Students will study vocabulary, greetings, sentence structure, basic grammar, and gain practical knowledge necessary for real-world conversation. Common everyday scenarios relating to the home and family, activities, school, shopping, making plans, and grocery shopping are all addressed. The instructor will also go over a variety of practices and customs observed in the country of Germany.

GERMAN II

German II expands students' understanding of the German language and culture, presenting language organized by topic and expanding grammar and vocabulary. Students are taught about past and future tense, as well as how to talk about the body, clothing, shopping, the market, vacation, travel, sports, and recreation, etc. German II is taught by Course Instructor Kris Scheuerman.

Health & Physical Education 2025-2026

Physical Education

The Physical Education course is designed to provide students with a comprehensive understanding of various aspects of physical fitness and activity. The course begins with an Introduction to Physical Education, focusing on safety practices, muscular strength, flexibility, and cardiovascular endurance. Students learn to analyze their fitness levels and understand the importance of warm-up and cool-down techniques, laying the foundation for a lifetime of physical well-being.

As the course progresses, students delve deeper into Fitness Principles and Efficiency Workouts, exploring different types of workouts, body composition, aerobic and anaerobic activities, and resistance training. They also focus on specific sports such as soccer, football, basketball, and baseball, learning their history, rules, essential skills, and the importance of protective equipment. Aquatics instruction in swimming techniques further enhances their physical capabilities. Additionally, students explore individual and dual activities like tennis, badminton, and volleyball, emphasizing cooperation and teamwork. Throughout the course, critical thinking skills are developed, enabling students to problem-solve in physical activity settings.

Physical Education also addresses safety, biomechanics, goal-setting, fitness assessment, and advanced concepts such as extreme environment safety and the societal benefits of physical fitness. By the course's end, students emerge with not only improved physical abilities, but also with a deep understanding of how physical activity contributes to overall health and well-being.

High School Health

This five-star course was developed in association with Children's Mercy Hospital and is aligned with the National Health Education Standards. Course topics include: Physical Fitness, How your body works, Understanding Disease, Drugs and Medicines, Adolescence, First Aid, and Hygiene and Healthcare.

PERSONAL FINANCE

The Personal Finance course is designed to prepare students with the skills and knowledge needed to shape their financial future. The course will provide a tool-kit of knowledge resources that will empower students to make informed financial decisions. The course covers real world topics including income, money management, credit, as well as saving and investing. Students will have the opportunity to explore concepts such as budgeting; checking and saving accounts; and investment options. The course also teaches sound practices in the areas of finance, debt, risk management, taxes, and credit management. Course topics include: Fundamental economic principles, How to find a job, including resume preparation, Factors that affect income, Budgeting and spending, Planning for taxes, How to prepare a tax return and other tax forms, Income vs. net worth, Choosing a bank, Debit cards and ATMs, Insurance and risk management, Credit management, Interest rates, Credit card management, Loans and mortgages, Credit laws that protect consumers, Avoiding scams and identity theft, and Saving and investing. Personal Finance is taught by Instructor Todd Edmond.

INVESTIGATING CAREERS

The Investigating Careers course covers a wide range of career fields, providing students with valuable insights and knowledge. In the first four units, students explore careers in Agriculture and Natural Resources, Architecture and Construction, Arts and Communication, and Business and Administration. They learn about managerial roles, fundamental practices, and industry-specific skills. These units provide a strong foundation for understanding various career paths. In the subsequent units, students delve into specific career sectors such as Education and Training, Finance and Insurance, Government and Public Administration, Health Science, Hospitality, Tourism, and Recreation, and Human Services. They gain insights into the responsibilities, challenges, and opportunities in these fields, preparing them for potential careers in these sectors.
The course also covers Information Technology, Law and Public Safety, Manufacturing, Retail and Wholesale Sales and Service, Scientific Research, Engineering, and Mathematics, and Transportation, Distribution, and Logistics, providing students with a well-rounded understanding of a wide array of professions in these areas. In the final units, students learn about High School and Future Career Paths, Finances, Preparation for College and Life, Career Readiness, Career Awareness, Career Path Decisions, and various career fields. They develop essential skills for career planning, financial management, and job readiness, equipping them for a successful transition to the workforce. Overall, the Investigating Careers course offers a comprehensive and detailed exploration of numerous career options, ensuring that students are well-prepared to make informed decisions about their future careers and are equipped with the skills necessary for success in the professional world. Investigating Careers is taught by Instructor Todd Edmond.

COLLEGE & CAREER READINESS

The College and Career Readiness course is designed to prepare students for success in their academic, professional, and personal lives. The course has 15 comprehensive units that guide students through a journey of self-discovery, career exploration, and practical skill development. Throughout the course, students explore career influences, understand their strengths and interests, and learn the art of setting goals and financial literacy. They gain valuable insights into the job search and application process, honing their interview skills and ultimately setting themselves up for success in their chosen careers. The course also provides a comprehensive overview of workplace dynamics and even delves into military career options, ensuring students are well-prepared to make informed decisions about their future paths. With a focus on proactive preparation and personal growth, this course equips students with the knowledge and skills they need to confidently navigate the transition to college and the professional world. Throughout the course, students are encouraged to think critically, set clear goals, and explore a wide range of career possibilities. They develop essential life skills, including time management, financial literacy, and effective communication, all of which are crucial for college readiness and success in the workforce. By the end of this course, students emerge with a deeper understanding of themselves, their career aspirations, and the practical tools necessary to achieve their goals. This comprehensive curriculum serves as a valuable resource for high school students seeking to make informed decisions about their college and career paths, empowering them to embark on their future with confidence and purpose. College and Career Readiness is taught by Instructor Todd Edmond.

INTRODUCTION TO JAVA

In the Introduction to Java course, students are taught basic programming using the Java coding language. They use the jGrasp editor/compiler along with the Java JDK to design and code, and to learn about variables, operations, data types, input and output, libraries, selection statements, arrays, functions, and methods. The Introduction to Java course is taught by Ms. Lori Hunt.

MASTERING MICROSOFT EXCEL

The Mastering Microsoft® Excel® course focuses of providing students with a solid foundation on the many features and applications of the Microsoft Excel spreadsheet program. Excel, being a vastly versatile and widely used tool in the modern workforce, is a skill integral to success for students planning for any business-related career. This course explores topics from basics of creating workbooks to advanced functions using macros, as well as how to work with other Microsoft Office programs. *"Microsoft" and "Excel" are registered trademarks of Microsoft Corporation.*

Informational Management I

Information Management I, taught by Todd Edmond, provides students with an introduction to how businesses use technology to manage immense amounts of data and develops general study skills for continuing education. Through historical context, extensive examples, and practice, students learn about the importance of making informed decisions based on data mining and analysis and the inquiry skills necessary to avoid pitfalls. This course develops communication skills while providing a firm foundation for students looking to excel in technology and management related advanced postsecondary degrees. Students will gain an understanding of using the Internet to promote a business and the responsibility that goes along with worldwide communications. This course was developed by the International Academy of Science.

Informational Management II

Information Management II, taught by Todd Edmond, builds on previous instruction to give students management and study skills and for postsecondary education and beyond. Students will learn the basics of workplace communication, become familiar with financial statements, learn to structure business documents, and gain an understanding of how businesses function. Students will learn about economics, business legalities, and be given training on skills such as oral presentation and timed writing. From writing a resume to managing employees, this course will enable students to strengthen their business skills and prepare them to gain further knowledge through the study of business related college majors and careers. This course was developed by the International Academy of Science.

Fundamentals of Design

(also Visual arts)

Fundamentals of Design is a year-long course focused on introducing students to the technical art of 3D printing while growing the mind into the 3D design process, beginning with design ideas and developing them into reality. The 3D printing process is revolutionizing the way prints are converted seamlessly and accurately into functional objects. In this course, students will learn a vast scope of knowledge about 3D printing, starting with an inclusive overview regarding the innovative technology to the implementation of 3D processes used to create 3D models.

Introduction to Accounting

Introduction to Accounting explores the field of accounting, covering the process of recording, analyzing, classifying, summarizing, and communicating accounting information. Students will have the opportunity to learn how to interpret and formulate financial information for use in management decision making. Mr. Rogers helps students to investigate the impact of industry standards as well as economic, financial, legal, and ethical factors. Introduction to Accounting is taught by Instructor Mark Rogers.

Accounting I

The Accounting I course examines the use of accounting and several of its various aspects. Some of the topics that will be explored include financial statements and how they are linked, bank operations, and accounts payable vs. accounts receivable. Next, it will dive deeper into inventory control and how to track it. Corporations, payroll activities, and government regulations will be discussed with various case studies offered in order to provide context. Finally, the course will conclude with ratios, depreciation, and bonds, offering students a fundamental knowledge in the value of proper accounting practices. Students will gain an understanding of the laws and regulations associated with accounting, and recognize why these regulations are in place. Accounting I is taught by Instructor Mark Rogers.

Principles of Agriculture

The Principles of Agriculture course provides a broad overview of the largest industry in the United States, the field of agriculture. From the clothing we wear and the food we eat to the vehicles we drive and the devices we use to communicate, agriculture is involved in some way in providing us with the necessities and conveniences of modern life. In the Principles of Agriculture course, students begin by discussing what agriculture is and the careers that exist in this all-encompassing field. They begin the main body of the course by exploring animal science, including the production of beef, horses, swine, sheep/goats, and poultry, including their nutrition, digestion, and reproduction. Students investigate the industry of plant production, including the parts of plants and their life cycles and processes, and their propagation. They study environmental effects on plants and the relationship between plants and soil. They discuss crop production and specifically examine corn and soybeans. They learn about the FFA organization, its history, structure, traditions, and programs, as well as traits of leadership, parliamentary procedure, and public speaking. Finally, students take a thorough tour through a wood and metal shop, learning what tools are found there, how they work, and what they are for. They explore basic shop safety and the steps of shop projects, and they delve into arc welding, MIG welding, and the oxy-acetylene process. The Principles of Agriculture course is taught by Acellus Instructor Callie Dobbins.

Agriculture I

The largest industry in the United States, the field of agriculture is broad and all-encompassing. From food and clothing to cell phones and trucks, all are either agricultural in nature or derived and related to agriculture in some way. In the Agriculture I course, students begin with an introduction to this comprehensive industry, including an overview of its six sectors. Through the main body of the course, students enjoy an in-depth exploration of animal science, one of these six sectors. They learn what is involved in working with cows, horses, swine, sheep/goats, and poultry -- livestock and animals reared for produce. Students are also introduced to the FFA organization, and the opportunities and advantages it provides for those who choose a career in agriculture. Finally, students take a thorough tour through a wood and metal shop, learning what tools are found there, how they work, and what they are for. The Agriculture I course is taught by Instructor Callie Dobbins.

AGRICULTURE II

Broad and all-encompassing, the field of agriculture is the largest industry in the United States. From food and clothing to cell phones and trucks, all are either agricultural in nature or are derived from or related to agriculture in some way. In the Agriculture II course, students begin with an introduction to plant systems, one of the six career sectors of agriculture. They learn about plant types, parts, classification, reproduction, and processes, as well as the effect of the environment on plants. They delve into a study of soil, crop production, trees, pests, and weeds. They explore aspects of the FFA program and how to succeed at getting a job. They also study recordkeeping and welding. The Agriculture II course is taught by Instructor Callie Dobbins. Prerequisite: Agriculture I.

PLUMBING TECHNOLOGY I

This CTE Plumbing course, taught by Brad Harding and filmed in 3-D, provides students with a basic foundation of knowledge and skill required for a career in the plumbing technology field. It is also useful for students desiring a career in general construction. It is the first in a two-part course of study preparing students for Plumbing Technology certification.

PLUMBING TECHNOLOGY II

This CTE Plumbing course, taught by Brad Harding and filmed in 3-D, builds on the principles and skills of Plumbing Technology I to provide students with the additional knowledge and preparation they need both practically for their career as well as for the HVAC-R certification exam. This course was developed by the International Academy of Science.

HVAC TECHNOLOGY I

This Heating-Ventilation-Air Conditioning-and Refrigeration course, filmed in 3-D, provides students with a basic foundation of knowledge and skill required for a career in the HVAC-R field. It is the first in a two-part course of study preparing students for HVAC–R certification. This course was developed by the International Academy of Science.

HVAC TECHNOLOGY II

This Heating-Ventilation-Air Conditioning-and Refrigeration course builds on the knowledge and skills taught in HVAC Technology I to provide students the preparation they need for their career and for the HVAC-R certification exam.

ELECTRICAL TECHNOLOGY I

This course gives students interested in a career path in an electrical-related field - including general construction - a foundation of knowledge and practice necessary for a successful career. This course was developed by the International Academy of Science.

ELECTRICAL TECHNOLOGY II

This CTE course builds on the foundation of Electrical Technology I to give students additional knowledge and skills they will need for a career in an electrical-related field and prepares them for the Electrical Technology certification exam. This course was developed by the International Academy of Science.

AP COMPUTER SCIENCE PRINCIPLES

The Acellus AP Computer Science Principles course introduces students to the creative aspects of programming, abstractions, algorithms, big data, the Internet, cybersecurity concerns, and computing impacts. Students will learn to create and implement computer programs using current technologies for both self-expression and problem solving. Through hands-on application and examples, students will also explore career options while addressing ethical and relevant issues for today's world. This course is California A-G Approved and has been audited and approved by College Board to provide students with a college-level learning experience. This course is taught by Acellus Course Instructors Robert Getka and Lori Hunt.

AP COMPUTER SCIENCE A

AP Computer Science A has been audited and approved by College Board to provide students with a college-level learning experience. This course instructs students on core aspects of computer science. Students will learn to create and implement computer programs that solve problems relevant to today's society, as well as deploy programming tools and effectively deal with complex problems through hands-on application and examples. This course is taught by Course Instructor Robert Getka.

MEDICAL TERMINOLOGY

This five-star course was developed in association with Children's Mercy Hospital and is aligned with the National Health Education Standards. Course topics include: Physical Fitness, How your body works, Understanding Disease, Drugs and Medicines, Adolescence, First Aid, and Hygiene and Healthcare.

INSTRUCTIONAL STANDARDS IN EDUCATION AND TRAINING

Instructional Standards in Education and Training provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, record keeping, and other responsibilities of teachers, or other educational personnel. Course topics include: Foundations of Education, Career Options in Education, Effective Teachers, Communications Skills, Teaching Style, Preparing an Effective Learning Environment, Educational Technology, Lesson Planning, Administration, Extra-Curricular Activities, Life Outside the Classroom, and Getting Your Teaching Job. Instructional Standards in Education and Training is taught by Instructor Todd Edmond.

Principles of Business, Marketing & Finance

This CTE Business course, taught by Mark Rogers, provides a basic business, marketing, and finance background for students looking for a career in business or for students desiring further preparation before entering college in a business and finance related major. Course topics include: Economics, Management, Operations, Finances, Future Planning, Insurance, Accounting, Communication, Human Resources, Personal Growth, and Taxes and Illicit Activities. This course was developed by the International Academy of Science.

Business Management

Business Management is a course that is appropriate for students on a business career path as well as students seeking to attend college in a business related field. Course topics include: Management and Leadership, Planning and Change, Economics and Ownership, Regulation and Communication, Business Metrics, Capitalization, The Product, Supply Chain Management, Human Resources, and Managing the Manager. Business Management is taught by Instructor Mark Rogers. This course was developed by the International Academy of Science.

Robotics Dance Programming

In this STEM mini course, students learn how to program AC-D2 Acellus robot to perform dance moves. This is an excellent precursor to the more in-depth STEM coding courses.

STEM 1:Introduction to Coding

In Introduction to Coding, students are taught how to program using the Blockly coding language. With Blockly, everything is done with little building blocks that snap together in an intuitive way. Coding with blocks allows students to focus on the fundamental principles of coding, laying a foundation for more advanced programming languages. Students will learn about conditional statements, loops, and functions.

STEM 2: JAVAScript

In STEM 2: JavaScript, students learn how to code first with Blockly and then with JavaScript source code. With Blockly, everything is done using little building blocks that snap together in an intuitive way. The blocks are used to help introduce students to the JavaScript syntax. Students study fundamental programming concepts, as well as practice writing their own source code. Students should successfully complete STEM 1 before taking this course.

STEM 3: Electronics & Coding

In Electronics and Coding, students learn how to program using JavaScript source code. They study the basics of electronics, learning how to create circuits and use various electronic devices, including transistors, generators, capacitors, and more. Students apply these skills via a detailed online simulator that allows them to design, build, and test their own electronic systems. Students should successfully complete STEM 2 before taking this course.

Elementary Engineering

Elementary Engineering introduces students to basic engineering principles and considers the major impact engineers have had on the world as we know it. Students learn about the problem-solving skills used in the engineering design process and then put them into action. They practice problem-solving and brainstorming through different design challenges. Students also learn about many of today's more common engineering disciplines

DRIVER SAFETY

Driver Safety is designed to prepare students for the essential responsibilities and skills needed for safe and responsible driving. Through a series of in-depth lessons, students will explore critical aspects of driving, including vehicle operation, traffic laws, hazard prevention, and the impact of driving under various conditions. This course not only teaches the mechanics of driving but also emphasizes the importance of defensive driving, safety practices, and legal responsibilities. By the end of this course, students will have a solid understanding of road rules, the importance of vehicle maintenance, and the effects of factors such as alcohol, drugs, and weather on driving performance. The course includes interactive lessons on how to handle emergencies, perform basic car maintenance, and navigate complex driving situations. It also prepares students for obtaining and maintaining their driver's license through lessons on licensing procedures, the written exam, and road tests.

DISCOVER PORTUGUESE

Acellus Discover Portuguese is taught using the Discover Method, making it the right choice for students of any native language having little or no Portuguese background. It incorporates the vocabulary and pronunciation needed to comprehend Portuguese in an everyday environment. Using video-based instruction, lessons are taught using the UNIVERSAL INTERACTION TECHNIQUE and the Discovery method – engaging students with quick vocabulary lessons followed by real-life conversations that build step-by-step to incorporate the most common words and phrases. The vocabulary and phrasing becomes more complex as the student progresses, but never reaches the overwhelming point. Students are not required to translate the language, rather they learn by associating words and phrases to meaning in the new language like a native speaker. Taught by Acellus Instructor Fernanda Beach.

Lutheran High School

FREMONT

CAMPUS-LED COURSE DESCRIPTIONS

THEOLOGY 2025-2026

THEOLOGY I-OLD TESTAMENT

Freshman theology is a study of the Old Testament. Special emphasis is placed on God's faithfulness to his promises throughout the Old Testament and how they point back to the first promise found in Genesis 3:15 - Jesus. Old Testament provides a foundation to the Bible, focusing the Christian faith on the person and work of Jesus.

THEOLOGY II-NEW TESTAMENT

Sophomore theology continues the study of scriptures by looking at the life of Jesus and the growth of the church. New Testament continues the great story of Scripture through which God invites us to be participants through our involvement in the Church. The first semester is devoted to understanding the life and ministry of Jesus through the lens of Luke's Gospel. The second semester picks up the narrative after the Ascension of Christ and goes through the development of the Church.

THEOLOGY III – RELIGIONS OF THE WORLD

This junior level course is a comparison study of the various religions of the world and learning how to respond to their teachings, declaring the truth of Jesus. Religions may include Pluralism, Judaism, Islam, Hinduism, Buddism, and others.

THEOLOGY IV-MARRIAGE & FAMILY

This senior level course looks at the family, its structures and functions in church and society with emphasis on the Biblical foundation for marriage as well as research on marriage, components of mate selection, child rearing, and the like. The family is examined in relationship to the historical perspective as well as in relation to changes in society.

THEOLOGY V-CHRISTIAN MISSION

This senior level theology course is a study of the missional life of the Church. The course is guided by the command of the Great Commission through scripture, real stories from missionaries, and mission work in the community. This course will culminate in a mission work where students will be able to live out what they have learned.

THEOLOGY VI-120 BIBLE STORIES

Students work their way through this collection of Bible stories which present the history of God's grace-filled interactions with His people. Told through the words of Holy Scripture, students learn God's many Old Testament promises to send a Savior and see how these promises have been fulfilled in Jesus Christ. Each story, a lesson of its own, includes discussion, a specific Bible/memory verse, and illustrations. The text includes maps, a timeline, and a glossary with explanatory notes on key words and phrases.

SOCIAL STUDIES 2025-2026

UNITED STATES HISTORY THROUGH FILM (ONE SEMESTER)

Students learn about U.S. history through the lens of American filmmakers. The students complete a viewing guide and movie critique upon the completion of each film as well as participate in class discussion. A variety of movies from different time periods and topics are shown in the class.

WORLD HISTORY THROUGH FILM (ONE SEMESTER)

Students learn about world history through the lens of filmmakers. The students complete a viewing guide and movie critique upon the completion of each film as well as participate in class discussion. A variety of movies from different time periods and topics are shown in the class.

AMERICAN POPULAR CULTURE HISTORY (ONE SEMESTER)

This 11th/12th grade course covers the history and impact of iconic 20th century American popular movies and music. Students will journal their experience through time while viewing important movies and listening to songs of American 20th century history. Important historical themes such as race, gender, and class will be addressed as impacted through the lens of pop culture.

FINE ARTS 2025-2026

CHOIR

High school choir is for any high school vocalist. Singers will learn to sight read music, the basics of solfege, and choral techniques. All members of Singers will be performing with the group for concerts throughout the year. Students are encouraged to take this course more than once. Grading is based on written assignments, rhythm and music reading, performance, and participation.

BAND

High school band is a performance ensemble for students in grades 9-12 to continue to develop their musicianship through playing challenging music of the concert band repertoire. Students are encouraged to take this course more than once. Grading is based on participation in class, attendance at concerts, practice time, and music theory and literacy.

ORCHESTRA

String players will use their musical talents to perform a wide variety of music for church services, concerts, and various events throughout the year. Previous experience on a stringed instrument is recommended, for exceptions please contact the Orchestra teacher before enrolling. This course may be taken more than once as an elective.

WORSHIP ARTS

Worship Arts is an auditioned group of singers, musicians, and technical crew from grades 9-12 who learn about and lead worship during school worship services and use their talents in area churches. Strong musicianship and commitment are expected of the students. Class is held zero hour before school twice a week. An audition is required for enrollment in this course.

GUITAR I

Students learn all basic chords, strumming and picking patterns, and how to play from music notation and tablature. Students are graded on skill proficiency, written tests, and class performances. No previous musical experience is required.

GUITAR II

Students explore advanced playing techniques, chordal and arpeggio playing, movable scales, playing outside of first position and jazz, blues and pop styles. Students are graded on skill proficiency, written tests, and performances, including ensembles, inside and outside of the class.

HANDBELLS/TONE CHIMES

Handbell Choir is a performance ensemble course open to students in grades 9-12. Throughout the year, the group will perform for concerts, churches, and various community events. A variety of music will be explored and multiple ringing techniques will be utilized. Previous experience is not necessary.

DRAWING/PAINTING I (ONE SEMESTER)

Students work with the Elements and Principles of Design - line, shape, form, value, space, texture and color, emphasis, rhythm, movement, unity, pattern, balance, and contrast. Students learn pencil blending, use of linear perspective, and self-portraiture. Additionally, students will study introductory painting with transparent watercolor and acrylic from still life, landscape, and figurative subjects. Students will be instructed in techniques with various mediums, enabling them to complete art projects.

DRAWING/PAINTING II (ONE SEMESTER)

Students continue to explore drawing and painting through art history, art appreciation, art criticism and presentation. This course develops visual awareness and appreciation towards famous artists and their artwork. Students are continually encouraged to expand their creative ideas as well as their technical potential. This course is designed to further develop knowledge, skills and techniques in drawing and painting. This painting course utilizes various techniques and materials.

GRAPHIC DESIGN I (ONE SEMESTER)

This junior/senior level course explores the Adobe applications Photoshop and Illustrator. Students are instructed in usage of these applications and basic graphic design terminology. Combining their new knowledge and creative ideas they will complete various graphic design projects such as: photo editing, logo design, promotional materials, and graphic design artwork.

GRAPHIC DESIGN II (ONE SEMESTER)

This advanced junior/senior level course explores the Adobe applications Photoshop and Illustrator. Students are instructed in usage of these applications and basic graphic design terminology. Combining their new knowledge and creative ideas they will complete various graphic design projects such as: photo editing, logo design, promotional materials, and graphic design artwork

Health & Physical Education 2025-2026

Health In Christian Perspective (One Semester)

Health In Christian Perspective encourages students to make health and wellness a priority. This course addresses nutrition, exercise, personal hygiene, mental health, safety, first aid, disease prevention, drug abuse, spiritual growth, and more. Students will become familiar with the body systems---digestive, endocrine, skeletal, muscular, cardiovascular, and respiratory.

Land & Water Activities (One Semester)

This is a semester-long participation course. Students and teacher collaborate for activities on the 170-acres surrounding Lutheran High including land and water. Students must be water certified for this course. Water activities may include fishing, ice fishing, canoeing, kayaking, beach volleyball, beach soccer, hiking, and geocaching.

Swimming Certification

Course completion for credit through the Greater Fremont YMCA or another certified instructor.

Lifeguard Certification

Course completion for credit through the Greater Fremont YMCA or another certified instructor.

Vocational Agriculture 2025-2026

Vocational Agriculture (Vo-Ag) teaches students about various aspects of agriculture, including plant and animal science, farm management, agricultural mechanics, and natural resource conservation, with hands-on learning through activities including working in a greenhouse/garden, or tending to farm livestock. The course generally include membership in Future Farmers of America.

Family & Consumer Science 2025-2026

Culinary Arts I

Students gain hands-on experience in methods for preparing creative dishes. Culinary Arts I teaches the basics of culinary terminology and food preparation techniques, laying the foundation for advanced skills. Culinary Arts I focuses on indoor cooking;

Culinary Arts II

Students gain hands-on experience in methods for preparing creative dishes. Culinary Arts II teaches the basics of culinary terminology and food preparation techniques, laying the foundation for advanced skills. Culinary Arts II focuses on outdoor cooking;

Leader In Me..... 2025-2026

Leader In Me is a Franklin Covey program founded on the belief that everyone has the potential to lead, *Leader in Me* is a comprehensive framework that nurtures student leadership, fosters a culture of trust, and boosts academic success. It empowers students, educators, and families with essential leadership and life skills, preparing them to excel.

Financial Literacy & Life Skills 2025-2026

Personal Finance

Banzai Personal Finance allows students to learn how to plan for the long-term with High School Personal Finance, an interactive course that teaches advanced budgeting, borrowing, and more. Topics include: Financial habits, budgeting, retirement, life insurance, identity theft, credit scores, renter's insurance, tax returns, mortgages & auto loans.

Digital Citizenship

Banzai Digital Citizenship allows students to practice navigating through online decisions securely. Courses include: Internet Safety, Digital Wellness, Cyberbullying, and Vocabulary: Assess how your mental and physical health are impacted by technology. Courses touch on important online practices such as: keeping information private, password protection, and developing research skills.

College & Careers

Banzai College & Careers courses help students prepare for the reality of transitioning to college life. Courses include: Cost of College, Paying for College, Scholarships, College Alternatives, Choosing a Career, and Vocabulary Practice.

Mentor 2025-2026

Mentor Meeting is a scheduled bi-weekly meeting between student and Guide to review their progress and plan and discuss any other opportunities or concerns.