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<p align="center">Course Catalog Grades 9-12 2021-2022</p>		<p align="center">GRADE</p>	<p><i>Disclaimer: WIVA course offerings are subject to student interest and staffing. WIVA will make every effort to meet individual student course requests but some courses may not be available.</i> ** Availability is based on enrollment and ability to staff course.</p> <p>(O) = online book(s) included All courses, unless otherwise noted, are two SEMs. V= Virtual Lab (no materials) College Course = **</p>
<p align="center">ENGLISH</p>			
<p>ENG103 Readers Writers Workshop 9</p>	<p align="center">9</p>	<p>Daily attendance required.</p>	
<p>ENG108: Summit English 9</p>	<p align="center">9</p>		
<p>ENG203 Readers Writers Workshop 10</p>	<p align="center">10</p>	<p>Daily attendance required.</p>	
<p>ENG208: Summit English 10</p>	<p align="center">10</p>		
<p>ENG303: Summit American Literature</p>	<p align="center">11</p>		
<p>ENG304: College Reading</p>	<p align="center">12</p>	<p>Semester I. Dual Credit Course.</p>	
<p>ENG305: College Writing</p>	<p align="center">12</p>	<p>Semester II. Dual Credit Course.</p>	
<p>ENG403: Summit British and World Literature (O)</p>	<p align="center">12</p>	<p>College/Tech Prep Course</p>	
<p>ENG510: AP English Literature & Composition **</p>	<p align="center">11/12</p>	<p>K12 instructor. Advanced Placement – College Level.</p>	
<p align="center">SOCIAL SCIENCES</p>			
<p>HST030: Summit Economics</p>	<p align="center">10-12</p>	<p>Semester II</p>	
<p>HST103AB: Fundamentals of Summit World History</p>	<p align="center">9</p>	<p>One Year Course. Designed for intensive instructional support.</p>	

HST103: Summit World History (O)	9	
HST303BB: Fundamentals of Summit US History	10	Two Year Course. Designed for intensive instructional support.
HST303: Summit U.S. History (O)	10	
HST304: Summit Honors US History (O)	10	
HST500: AP® U.S. History **	11/12	K12 Instructed/Independent. Advanced Placement – College Level
HST510: AP® US Government & Politics **	11/12	K12 Instructed/Independent. Advanced Placement – College Level
HST520: AP® Macroeconomics **	11/12	Semester I. K12 Instructed/Independent. Advanced Placement – College Level
HST530: AP® Microeconomics **	11/12	Semester II. K12 Instructed/Independent. Advanced Placement – College Level
HST540: AP® Psychology **	11/12	Semester II. Advanced Placement – College Level
HST560: AP® World History **	11/12	K12 Instructed/ Independent. Advanced Placement – College Level
HST020: Summit Psychology	11/12	Semester I or Semester II
HST040: Civics	11/12	Semester I or Semester II
HST060: Sociology I	11/12	Semester I
HST061: Sociology II	11/12	Semester II
HST213: Summit Geography A	11/12	Semester I
HST213: Summit Geography B	11/12	Semester II
MATH		

MTH001: Math Foundations I	9-12	Remediation Only. Counselor permission required.
MTH107: Summit Developmental Algebra (O)	9/10	Year 1 of Algebra I.
MTH113: Summit Pre-Algebra (O)	9	
MTH128: Summit Algebra I (O)	9	
MTH207: Summit Continuing Algebra I (O)	10	Year 2 of Algebra I.
MTH208AB: Fundamentals of Summit Geometry	10	
MTH208: Summit Geometry (O)	10	
MTH307: Summit Practical Math (O)	11/12	
MTH308: Summit Algebra II (O)	11/12	Recommended for all students 2-4 year college.
MTH322: Consumer Math	11/12	
MTH403: Summit Pre-Calculus/Trigonometry	11/12	College/Tech Prep Course
MTH500: AP [®] Calculus AB	11/12	Advanced Placement – College Level.
MTH510: AP [®] Statistics	11/12	K12 Instructed Course/Independent. Advanced Placement – College Level.
SCIENCE		
SCI102: Summit Physical Science (V) (O)	9	
SCI203: Summit Biology (V) (O)	10	
SCI113: Summit Earth Science (V) (O)	11/12	

SCI303: Summit Chemistry (V) (O)	11/12	College/Tech Prep Course
SCI010: Summit Environmental Science	11/12	Semester I or Semester II
SCI321: Summit Anatomy & Physiology 1	11/12	Semester I
SCI322: Summit Anatomy & Physiology 2	11/12	Semester II
SCI403: Summit Physics (V) (O)	11/12	College/Tech Prep Course
SCI500: AP®Biology	11/12	K12 Instructed Course/Independent. Advanced Placement – College Level.
SCI510: AP® Chemistry	11/12	K12 Instructed Course/Independent. Advanced Placement – College Level.
SCI530: AP® Environmental Science	11/12	K12 Instructed Course/Independent. Advanced Placement – College Level.
OTH033: Veterinary Science	11/12	Semester I or Semester II
OTH221: Engineering Fundamentals 1	11/12	Semester I
OTH222: Engineering Fundamentals 2	11/12	Semester II
WORLD LANGUAGES		
WLG100: Spanish I	9-12	
WLG200: Spanish II	9-12	Spanish II First Year
WLG300: Spanish III	9-12	Spanish II Second Year
WLG400: Spanish IV	9-12	
WLG500: AP Spanish Language and Culture**	11/12	K12 Instructed/ Independent. Advanced Placement – College Level

WLG110: French I	9-12	
WLG210: French II	9-12	
WLG310: French III	9-12	K12 Instructed/ Independent.
WLG510: AP French Language**	11/12	K12 Instructed/ Independent. Advanced Placement – College Level
WLG120: German I	9-12	
WLG220: German II	9-12	
ELECTIVES & ADDITIONAL COURSES		
BUS031: Personal Finance	10-12	Semester I
HST030: Summit Economics	10-12	Semester II
OTH010: Summit Skills for Health	9-12	Required for graduation. Semester I or Semester II
OTH020: Summit Physical Education	9-12	Required for graduation. Semester I or Semester II
OTH035: Early Childhood Education	9-12	Semester II
OTH040: College Success	11/12	Semester II
OTH070: Driver's Safety	10-12	Semester II. Does not include behind the wheel. State Certified. Taken through CESA 2 for \$50 fee. Limit 25 students.
OTH080: Summit Nutrition & Wellness	9-12	Semester II
OTH120: AVID I	9/10	

OTH130: AVID II	9/10	
OTH140: AVID III	11/12	
OTH171: Culinary Arts 1	9-12	Semester I
OTH172: Culinary Arts 2	9-12	NEW!! Semester II
OTH181: Fashion Design	9-12	Semester I
OTH182: Interior Design	9-12	Semester II
TCH047 Web Design 1	9-12	NEW!! Semester I
TCH048: Web Design 2	9-12	NEW!! Semester II
TCH105: Computer Literacy	9-12	Semester I
TCH114: Microsoft Office 1	10-12	Semester I. Project Based Learning Course
TCH115: Microsoft Office 2	10-12	Semester II. Project Based Learning Course

High School Courses (9–12)

ENGLISH

ENG103 Readers Writers Workshop 9

Course Description: This 9th grade course is highly supported and primarily synchronous in nature. It is designed to transition students into high school English, fostering growth and confidence. Using a modified workshop model, primarily focused on multicultural literature, students will learn to confidently analyze various literary genres and types of informational texts independently. Through the exploration of mentor texts and independent practice, students will grow into confident writers and communicators. With purposeful scaffolding, readers and writers in this course will work towards growth in reading, writing, and communication skills to support future learning in language arts.

Course Length: Two Semesters

ENG108: Summit English 9

Course Description: This Summit English 9 course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9. Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers.

Course Length: Two Semesters

Materials: Anthology (name TBD), The Way to Rainy Mountain, The Alchemist, A Midsummer Night's Dream

ENG203 Readers Writers Workshop 10

Course Description: This 10th grade course builds upon English 9 Reading and Writing Workshop. It is highly supported and primarily synchronous in nature. It is designed to foster growth and confidence, preparing students for success in 11th grade courses. Using a modified workshop model, primarily focused on American literature, students will learn to confidently analyze various literary genres and types of informational texts independently. Through the exploration of mentor texts and independent practice, students will continue to build confidence in their writing and overall ability to communicate effectively. With purposeful scaffolding, readers and writers in this course will work towards growth in reading, writing, and communication skills that will create a strong foundation to continue working towards post-secondary goals.

Course Length: Two Semesters

ENG208: Summit English 10

Course Description: The Summit English 10 course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers.

Course Length: Two Semesters

Materials: Anthology (name TBD), Cry, the Beloved Country, Night, Macbeth

ENG303: Summit American Literature

Recommended Grade Level: 11

Course Description: In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Course Length: Two Semesters

Prerequisites: English 9 and English 10 (or equivalent)

ENG304 College Reading – Dual Credit Course

Recommended Grade Level: 12

Course Description: This course focuses on enhancing college reading and study techniques and offers students extended practice in applying these strategies to a variety of college level materials. Emphasis will be given to

developing the critical thinking and reading skills necessary to be successful college readers. Topics covered will include identifying main ideas and supporting details, highlighting and annotating text, summary writing and making inferences.

Course Length: Semester I

ENG305 College Writing – Dual Credit Course

Recommended Grade Level: 12

Course Description: Introduction to College Writing, while assuming competence in basic paragraph and essay structure, reinforces principles of composition that employ critical thinking in reading and writing and develops students' grammatical competence and writing style. Through multiple revisions and workshops, students acquire writing process awareness, self-advocacy skills for understanding and managing assignments, and information literacy skills to prepare them for college writing.

Course Length: Semester II

ENG403: Summit British and World Literature

Recommended Grade Level: 12

Course Description: Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice. Students also practice test-taking skills for standardized assessments in critical reading and writing.

Course Length: Two Semesters

ENG510: AP[®] English Literature & Composition

Course Description: In this course, the equivalent of an introductory college-level survey class, students are immersed in novels, plays, poems, and short stories from various periods. Students read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and discussions. The course places special emphasis on reading comprehension, structural and critical analyses of written works, literary vocabulary, and recognizing and understanding literary devices. Students prepare for the AP Exam and for further study in creative writing, communications, journalism, literature, and composition.

Course Length: Two semesters

Prerequisites: Success in previous English courses, and teacher/school counselor recommendation

HISTORY AND SOCIAL SCIENCES

HST030: Summit Economics

Course Description: Students are introduced to the basics of economic principles, and they will learn the importance of understanding different economic systems. They will also investigate how to think like an economist. Students will explore different economic systems, including the American free enterprise system, and they will analyze and interpret data to understand the laws of supply and demand. Students will also be presented with economic applications in today's world. From economics in the world of business, money, banking, and finance, students will see how economics is applied both domestically and globally. Students will also study how the

government is involved in establishing economic stability in the American free enterprise system as well as the how the U.S. economy has a global impact.

Course Length: One Semester

HST103B: Fundamentals of Summit World History

Course Description: In this a slow-paced survey of world history from prehistoric to modern times, students focus in depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, a textbook written and published by K¹². Students are challenged to consider topics in depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

Course Length: Four Semesters

HST103: Summit World History

Course Description: In this comprehensive survey of world history from prehistoric to modern times, students focus in depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, a textbook written and published by K¹². Students are challenged to consider topics in depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

Course Length: Two Semesters

HST303B: Fundamentals of Summit U.S. History

Course Description: This course provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing written assignments, and conducting independent research. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Course Length: Two Semesters

Prerequisites: HST103: World History (or equivalents)

HST303: Summit U.S. History

Course Description: This course is a full-year survey that provides students with a view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Course Length: Two Semesters

Prerequisites: HST103: World History (or equivalents)

HST304: Summit Honors U.S. History

Course Description: This course is a challenging full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

Course Length: Two Semesters

Prerequisites: HST103 World History, and teacher/school counselor recommendation

HST500: AP[®] U.S. History

Course Description: Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of factual information necessary to do well on the AP exam, but also to practice skills of critical analysis of historical information and documents. Students read primary and secondary source materials and analyze problems presented by historians to gain insight into challenges of interpretation and the ways in which historical events have shaped American society and culture. The content aligns to the sequence of topics recommended by the College Board and to widely used textbooks. Students prepare for the AP exam.

Course Length: Two semesters

Materials: *America: A Narrative History*, 9th ed. George Tindall and David E. Shi (W.W. Norton, 2013)

Prerequisites: Success in previous history course and teacher/school counselor recommendation

HST510: AP[®] U.S. Government and Politics

Course Description: This course is the equivalent of an introductory college-level course. Students explore the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students gain the analytical perspective necessary to evaluate political data, hypotheses, concepts, opinions, and processes and learn how to gather data about political behavior and develop their own theoretical analysis of American politics. Students also build the skills they need to examine general propositions about government and politics, and to analyze specific relationships between political, social, and economic institutions. Students prepare for the AP exam and for further study in political science, law, education, business, and history.

Course Length: One Semester

Prerequisites: Success in Honors U.S. History (or equivalent) and teacher/school counselor recommendation

HST520: AP[®] Macroeconomics

Course Description: This course is the equivalent of an introductory college-level course. Students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. Students also examine how individuals and institutions are influenced by employment rates, government spending, inflation, taxes, and production. Students prepare for the AP exam and for further study in business, political science, and history.

Course Length: One Semester

Prerequisites: Success in: Algebra II (or equivalent) and teacher/school counselor recommendation

HST530: AP[®] Microeconomics

Course Description: This course is the equivalent of an introductory college-level course. Students explore the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students learn why the same product can cost different amounts at different stores, in different cities, and at different times. Students also learn to spot patterns in economic behavior and learn how to use those patterns to explain buyer and seller behavior under various conditions. Lessons promote an understanding of the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in the economy. Students prepare for the AP exam and for further study in business, history, and political science.

Course Length: One Semester

Prerequisites: Success in Algebra II (or equivalent) and teacher/school counselor recommendation

HST540: AP[®] Psychology

Course Description: This course is the equivalent of an introductory college-level course. Students receive an overview of current psychological research methods and theories. They explore the therapies used by professional counselors and clinical psychologists, and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They study core psychological concepts, such as the brain and sensory functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Students prepare for the AP Exam and for further studies in psychology and life sciences.

Course Length: One Semester

Prerequisites: Teacher/school counselor recommendation

HST560: AP[®] World History

Course Description: This course spans the Neolithic Age to the present in a rigorous academic format organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human-environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition to mastering historical content, students cultivate historical thinking skills that involve crafting arguments based on evidence, identifying causation, comparing and supplying context for events and phenomenon, and developing historical interpretation. Students prepare for the AP[®] World History exam.

Course Length: Two Semesters

Prerequisites: Success in previous history course and teacher/school counselor recommendation

HST020: Summit Psychology

Course Description: In this one-semester course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key psychology terms and how to apply psychological

principles to their own lives. Unit topics include: Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

Course Length: One Semester

HST040: Civics

Course Description: Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

Course Length: One Semester

HST060: Sociology I

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

Course Length: One Semester

HST061: Sociology II

Course Description: Sociology is the study of people, social life, and society. By developing a "sociological imagination," students examine how society itself shapes human action and beliefs—and how in turn these factors reshape society itself. Fascinating online video journeys inform students and motivate them to seek more knowledge on their own.

Course Length: One Semester

HST213: Summit Geography A & B

Course Description: This course examines a broad range of geographical perspectives covering all of the major regions of the world. Students clearly see the similarities and differences among the regions as they explore the locations and physical characteristics, including absolute and relative location, climate, and significant geographical features. They look at each region from cultural, economic, and political perspectives, and closely examine the human impact on each region. Students take diagnostic tests that assess their current knowledge and generate individualized study plans, so students can focus on topics that need review. Audio readings and vocabulary lists in English and Spanish support reading comprehension.

Course Length: Two Semesters – May take either or both. Taking Semester A first is recommended, but not required.

MATHEMATICS

MTH001: Math Foundations I (Remedial)

Recommended Grade Level: 9-12

Course Description: Students build and reinforce foundational math skills typically found in third through fifth grade for which they have not achieved mastery. They progress through carefully paced, guided instruction and engaging interactive practice. Formative assessments identify areas of weakness and prescribe lessons to improve performance. Summative assessments track progress and skill development. If needed, students can move on to Math Foundations II (addressing skills typically found in sixth through eighth grade) to further develop the computational skills and conceptual understanding needed to undertake high school math courses with confidence.

Course Length: Two Semesters

Prerequisites: Teacher/school counselor recommendation only

MTH107: Summit Developmental Algebra

Recommended Grade Level: 9/10

Course Description: This is the first course in a two-year algebra sequence that concludes with Continuing Algebra (forthcoming in 2014-2015). In this course, students begin to explore the tools and principles of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; and solve systems of linear equations. Sophisticated virtual manipulatives and online graphing tools help students visualize algebraic relationships. Developmental Algebra covers fewer topics than a one-year algebra course, providing students with more time to learn and practice key concepts and skills. After completing Developmental Algebra, students will be prepared to take Continuing Algebra.

Course Length: Two Semesters

Prerequisites: Pre-Algebra (or equivalent)

MTH113: Summit Pre-Algebra

Recommended Grade Level: 9

Course Description: In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. Lessons provide demonstrations of key concepts as well as interactive problems with contextual feedback. A textbook supplements the online material.

Course Length: Two Semesters

Prerequisites: None

MTH128: Summit Algebra I

Recommended Grade Level: 9

Course Description: The Summit Algebra 1 course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

Course Length: Two Semesters

Prerequisites: None

MTH207: Summit Continuing Algebra**Recommended Grade Level:** 10

Course Description: This is the second course in a two-year algebra sequence. In this course, students build on what they learned in MTH107: Developmental Algebra to complete their knowledge of all topics associated with a deep understanding of Algebra I. They learn about relations and functions, radicals and radical expressions, polynomials and their graphs, factoring expressions and using factoring to solve equations, solving quadratics, rational expressions, and logic and reasoning.

Course Length: Two Semesters**Materials:** Algebra I: Reference Guide and Problem Sets**Prerequisites:** Developmental Algebra (or equivalent)**MTH208A: Fundamentals of Summit Geometry****Recommended Grade Level:** 10

Course Description: This Summit Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

Course Length: Two Semesters**Prerequisites:** Algebra I (or equivalent), Teacher/Counselor Recommendation only**MTH208: Summit Geometry****Recommended Grade Level:** 10

Course Description: This Summit Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

Course Length: Two Semesters**Materials:** Reference Guide**Prerequisites:** Algebra I (or equivalent)**MTH307: Practical Math****Recommended Grade Level:** 11/12

Course Description: In this course, students use math to solve real-world problems—and real-world problems to solidify their understanding of key mathematical topics. Data analysis, math modeling, and personal finance are key themes in this course. Specific topics of study include statistics, probability, graphs of statistical data, regression, finance, and budgeting. In addition, students learn how to use several mathematical models involving algebra and geometry to solve problems. Proficiency is measured through frequent online and offline assessments, as well as class participation. Units focused on projects also allow students to apply and extend their math skills in real-world cases.

Course Length: Two Semesters**Prerequisites:** Algebra I and Geometry (or equivalents)**MTH308: Summit Algebra II**

Recommended Grade Level: 11/12

Course Description: This Summit Algebra 2 course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

Course Length: Two Semesters

Materials: Reference Guide

Prerequisites: Algebra I and Geometry (or equivalents)

MTH322: Consumer Math

Recommended Grade Level: 11/12

Course Description: In Summit Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher. In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher.

Course Length: Two Semesters

Prerequisites: None

MTH403: Summit Pre-Calculus/Trigonometry

Recommended Grade Level: 11/12

Course Description: Pre-calculus weaves together concepts of algebra and geometry into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include quadratic, exponential, logarithmic, radical, polynomial, and rational functions; matrices; and conic sections in the first semester. The second semester covers an introduction to infinite series, trigonometric ratios, functions, and equations; inverse trigonometric functions; applications of trigonometry, including vectors; polar equations and polar form of complex numbers; arithmetic of complex numbers; and parametric equations.

Connections are made throughout the course to calculus and a variety of other fields related to mathematics. Purposeful concentration is placed on how the concepts covered relate to each other. Demonstrating the connection between the algebra and the geometry of concepts highlights the interwoven nature of the study of mathematics.

Course Length: Two Semesters

Prerequisites: Geometry and Algebra II (or equivalents)

MTH500: AP[®] Calculus AB

Recommended Grade Level: 11/12

Course Description: This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP exam and further studies in science, engineering, and mathematics.

Course Length: Two Semesters

Prerequisites: Success in Geometry, Algebra II, Pre-Calculus/Trigonometry (or equivalents), and teacher/ school counselor recommendation

MTH510: AP[®] Statistics

Recommended Grade Level: 11/12

Course Description: This course is the equivalent of an introductory college-level course. Statistics—the art of drawing conclusions from imperfect data and the science of real-world uncertainties— plays an important role in many fields. Students collect, analyze, graph, and interpret real-world data. They learn to design and analyze research studies by reviewing and evaluating examples from real research. Students prepare for the AP[®] Exam.

Course Length: Two Semesters

Prerequisites: Success in Algebra II (or equivalent) and teacher/school counselor recommendation

SCIENCE

SCI102: Summit Physical Science

Recommended Grade Level: 9

Course Description: Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with hands-on laboratory investigations making up half of the learning experience.

Course Length: Two Semesters

SCI203: Summit Biology

Recommended Grade Level: 10

Course Description: In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of in-depth online lessons including extensive animations, an associated reference book, collaborative explorations, and hands-on laboratory experiments students can conduct at home.

Course Length: Two Semesters

SCI113: Summit Earth Science

Recommended Grade Level: 11/12

Course Description: This course provides students with a solid earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of online lessons, an associated reference book, collaborative activities, and hands-on laboratories students can conduct at home. The course provides a base for further studies in geology, meteorology, oceanography, and astronomy, and gives practical experience in implementing scientific methods.

Course Length: Two Semesters

SCI303: Summit Chemistry

Recommended Grade Level: 11/12

Course Description: This course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, laboratories, and related assessments, used with a problem-solving book.

Course Length: Two Semesters

Prerequisites: Physical Science and solid grasp of algebra basics, evidenced by success in Algebra I (or equivalents)

SCI010 Summit Environmental Science

Recommended Grade Level: 11/12

Course Description: This course surveys key topic areas including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

Course Length: One Semester

Prerequisites: Success in previous high school science course; and teacher/school counselor recommendation

SCI321 Anatomy and Physiology 1

Recommended Grade Level: 11/12

Course Description: These courses provide a thorough introduction to the basics required for the study of the human body and how it functions. Students receive a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations, as well as an overall review of human development and body processes. This course also includes infection control and standard precautions, which emphasizes the importance of maintaining health and safety in the health-care work environment, as well as highlights the latest practices and protocols.

Course Length: One Semester

Prerequisites: None

SCI322 Anatomy and Physiology 2

Recommended Grade Level: 11/12

Course Description: These courses provide a thorough introduction to the basics required for the study of the human body and how it functions. Students receive a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations, as well as an overall review of human development and body processes. This course also includes infection control and standard precautions, which

emphasizes the importance of maintaining health and safety in the health-care work environment, as well as highlights the latest practices and protocols.

Course Length: One Semester

Prerequisite: Anatomy and Physiology 1

SCI403: Summit Physics

Recommended Grade Level: 11/12

Course Description: This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. The course gives students a solid basis to move on to more advanced courses later in their academic careers. The program consists of online instruction, laboratories, and related assessments, plus an associated problem-solving book.

Course Length: Two Semesters

Prerequisites: Algebra II and Pre-Calculus/Trigonometry (or equivalents)

SCI500: AP[®] Biology

Recommended Grade Level: 11/12

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

Course Length: Two Semesters

Prerequisites: Success in Biology, Chemistry, Algebra I (or equivalents), and teacher/school counselor recommendation required; success in Algebra II highly recommended.

SCI510: AP[®] Chemistry

Recommended Grade Level: 11/12

Course Description: Students solve chemical problems by using mathematical formulation principles and chemical calculations in addition to laboratory experiments. They build on their general understanding of chemical principles and engage in a more in-depth study of the nature and reactivity of matter. Students focus on the structure of atoms, molecules, and ions, and then go on to analyze the relationship between molecular structure and chemical and physical properties. To investigate this relationship, students examine the molecular composition of common substances and learn to transform them through chemical reactions with increasingly predictable outcomes.

Course Length: Two Semesters

Prerequisites: Success in Chemistry and Algebra II, and teacher/school counselor recommendation.

SCI530: AP[®] Environmental Science

Recommended Grade Level: 11/12

Course Description: This course aims to provide students with scientific principles, concepts, and methodologies needed to understand interrelationships in the natural world; identify and analyze environmental problems (natural and human-made); evaluate the relative risks associated with these problems; and examine alternative

solutions to resolve or prevent these problems. Unifying themes in the course, identified by the College Board, provide a foundation for the content. This course

Course Length: Two Semesters

Prerequisites: Minimum 1 year of high school Algebra and completion of Earth Science.

OTH033: Veterinary Science

Recommended Grade Level: 11/12

Course Description: As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us, but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

Course Length: One Semester

OTH221: Engineering Fundamentals 1 – NEW!

Recommended Grade Level: 11/12

Course Description: In this course students learn about actual product design through all phases, from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and also learn management methods to identify the causes of defects, remove them, and minimize manufacturing variables.

Course Length: One Semester

OTH222: Engineering Fundamentals 2 – NEW!

Recommended Grade Level: 11/12

Course Description: This is the second semester of Engineering Drawing and Design. In this course students continue their study of learning about actual product design through all phases, from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and also learn management methods to identify the causes of defects, remove them, and minimize manufacturing variables.

Course Length: One Semester

WORLD LANGUAGES

WLG100: Spanish I

Course Description: Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and

phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments by which their language progression can be monitored.

Course Length: Two Semesters

Prerequisites: None

Note: Students who have already succeeded in Middle School Spanish 2 should enroll in Spanish II rather than in Spanish I

WLG200: Spanish II (Year 1)

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

Course Length: Two Semesters

Prerequisites: Spanish; Middle School Spanish 1 and 2 (or equivalents)

WLG300: Spanish III (Spanish II Year 2)

Course Description: Intermediate Spanish students who have a strong base of vocabulary, speaking, and listening skills reach a new level of mastery and fluency in this course. Through games and compelling stories, students learn advanced grammar and vocabulary, with an emphasis on correct accents and comprehension of real-world native speech. Error-recognition technology helps students eliminate common mistakes from their speaking and writing. Engaging graphics, videos, and games keep students interested, and make learning languages exciting.

Course Length: Two Semesters

Prerequisites: WLG200: Spanish II (or equivalent)

WLG400: Spanish IV

Course Description: Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments by which their language progression can be monitored.

Course Length: Two Semesters

Prerequisites: WLG300: Spanish III (or equivalent)

WLG500: AP Spanish Language and Culture

Course Description: The AP® Spanish Language and Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP® Spanish Language and Culture course prepares students for the AP® Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive, and Presentational) as defined in the Standards for Foreign Language Learning in the twenty-first century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their own opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material.

Course Length: Two Semesters

Prerequisites: Strong success in Spanish III, or success in Spanish IV (or equivalents), and teacher/school counselor recommendation

WLG110: French I

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

Course Length: Two Semesters

Prerequisites: None

Note: Students who have already succeeded in middle school French 2 should enroll in French II rather than in French I

WLG210: French II

Course Description: Students continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in

their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments by which their language progression can be monitored. By semester 2, the course is conducted almost entirely in French.

Course Length: Two Semesters

Prerequisites: French I, Middle School French 1 and 2 (or equivalents)

WLG310: French III

Course Description:

Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in both formal and informal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics; respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; read and analyze important pieces of literature; and take frequent assessments by which their language progression can be monitored. The course is conducted almost entirely in French.

Course Length: Two Semesters

Prerequisites: French II (or equivalent)

WLG510: AP French Language

Course Description: The AP[®] French Language and Culture course is an advanced language course in which students prepare for the AP[®] French Language and Culture exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide variety of authentic French-language materials and sources; demonstrate proficiency in interpersonal, interpretive, and presentational communication using French; gain knowledge and understanding of the cultures of the Francophone world; use French to connect with other disciplines and expand knowledge in a wide variety of contexts; develop insight into the nature of the French language and its culture; and use French to participate in communities at home and around the world. The AP[®] French Language course is a college level course.

Course Length: Two Semesters

Prerequisites: Strong success in French III, or success in French IV (or equivalents), and teacher/school counselor recommendation

WLG120: German I

Course Description: Students begin their introduction to German by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on

providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations; respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; and take frequent assessments by which their language progression can be monitored.

Course Length: Two Semesters

Prerequisites: None

Note: Students who have already succeeded in middle school German 2 should enroll in German II rather than in German I

WLG220: German II

Course Description: Students continue their study of German by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations; respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various German speaking countries; and take frequent assessments by which their language progression can be monitored.

Course Length: Two Semesters

Prerequisites: German I, Middle School German 1 and 2 (or equivalents)

ELECTIVES AND ADDITIONAL COURSES

BUS031: Personal Finance (Elective)

Course Description: In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

Course Length: One Semester

HST030: Summit Economics

Course Description: Students are introduced to the basics of economic principles, and they will learn the importance of understanding different economic systems. They will also investigate how to think like an economist. Students will explore different economic systems, including the American free enterprise system, and they will analyze and interpret data to understand the laws of supply and demand. Students will also be presented with

economic applications in today's world. From economics in the world of business, money, banking, and finance, students will see how economics is applied both domestically and globally. Students will also study how the government is involved in establishing economic stability in the American free enterprise system as well as the how the U.S. economy has a global impact.

Course Length: One Semester

OTH010: Summit Skills for Health

Course Description: This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others.

Course Length: One Semester

Prerequisites: None

OTH020: Summit Physical Education

Course Description: This pass/fail course combines online instructional guidance with student participation in weekly cardiovascular, aerobic, muscle-toning, and other activities. Students fulfill course requirements by keeping weekly logs of their physical activity. The course promotes the value of lifetime physical activity and includes instruction in injury prevention, nutrition and diet, and stress management. Students may enroll in the course for either one or two semesters and repeat for further semesters as needed to fulfill state requirements.

Course Length: One Semester

Prerequisites: None

OTH035: Early Childhood Education

Course Description: Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

Course Length: One Semester

Prerequisites: None

OTH040: College Success – Dual Credit Course

Course Description: This is a Dual Credit course worth 3 college credits with successful completion of the course. College Success is frequently a first year course in many technical college programs. This course provides learners with strategies to develop skills for success in college. Learners will work on academic skills such as test taking, note taking, reading etc. And, learners will work on other success strategies such as motivation, goal setting, interdependence, and self-awareness. Learners will apply self-management techniques, explore resource management strategies, practice study skills, and learn about ways to improve personal effectiveness.

Course Length: One Semester

Prerequisites: None

OTH070: Driver's Safety (Elective)

Course Description: This course is instructed through CESA 2 and is certified to meet the state department of transportation's or motor vehicle's requirements for learners permit issuance. Drivers Safety can provide a foundation for a lifetime of responsible driving. Instructional material in this course emphasizes the mechanics of driving operations and the rules of safe driving. Among other topics, students learn how to assess and manage risk, handle social pressures, understand signs and signals, comprehend the rules of the road, and start, steer, stop, turn, and park a car. They also learn how to contend with driving environments including light and weather conditions, share the roadway, respond to an emergency. This course does NOT include Behind the Wheel. There is a \$50.00 fee for this course as it is instructed through CESA 2.

Course Length: One Semester (SEMESTER 2)

COST: \$50.00

Notes: Limited to 25 students

OTH080: Nutrition and Wellness (Elective)

Course Description: This half-credit course will introduce the student to an overview of good nutrition principles that are needed for human physical and mental wellness. Discussion of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition is included. Application to today's food and eating trends, plus learning to assess for reliable nutrition information is emphasized.

Course Length: One semester

Prerequisites: None

OTH120: AVID I

Course Description: The AVID I course is an elective course for students that are college-bound (Tech or 4-year). The AVID curriculum will focus on writing, inquiry, collaboration, organization and reading (WICOR) in both teacher and student-led activities. Other areas that are stressed in the AVID I curriculum will be note-taking, critical reading strategies, public speaking and social/emotional development. Students will also be encouraged to start looking at colleges that they will be interested in attending in the future.

Course Length: Two Semesters

Prerequisites: Must have teacher/counselor recommendation

OTH130: AVID II

Course Description: The AVID II course is an elective course for students that are college-bound (Tech or 4-year). The AVID curriculum will focus on writing, inquiry, collaboration, organization and reading (WICOR) in both teacher and student-led activities. Other areas that are stressed in the AVID II curriculum will be note-taking, critical reading strategies, public speaking and social/emotional development. Students will also be encouraged to start looking at colleges that they will be interested in attending in the future.

Course Length: Two Semesters

Prerequisites: Must have teacher/counselor recommendation

OTH140: AVID III

Course Description: The AVID III course is an elective course designed to help students prepare for their college admissions (Tech or 4-year). Students in this course will continue to develop and build upon their AVID basics of writing, inquiry, collaboration, organization and reading. They will also research and develop presentations on different career paths that they are interested in pursuing. Finally, students in the AVID III elective course will begin to gather documents for their future college experience along with starting the financial aid application process.

Course Length: Two Semesters

Prerequisites: Must have teacher/counselor recommendation

OTH171: Culinary Arts 1

Course Description: Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are critical to a career in the culinary arts.

Course Length: One semester

Prerequisite: None

OTH172: Culinary Arts 2 – NEW!!

Course Description: Did you know that baking is considered a science? Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion!

Course Length: One semester

Prerequisite: Culinary Arts 1

OTH181: Fashion Design – NEW!!

Course Description:

Course Length: One semester

OTH182: Interior Design – NEW!!

Course Description:

Course Length: One semester

TCH047: Web Design 1

Course Description: COMING SOON!

Course Length: Two semesters

TCH048: Web Design 2

Course Description: TCH048 Web Design is a CodeHS course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites. Students will learn the foundations of user interface design, rapid prototyping and user testing, and will work together to create professional, mobile responsive websites.

Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, example web pages to explore, and web design exercises in which students develop and publish their own web sites. Each lesson includes at least one formative short multiple choice quiz. At the end of each unit, students take a summative multiple choice unit quiz that assesses their knowledge of the concepts covered in the unit.

Course Length: One Semester

Prerequisite: Web Design 1

TCH105: Computer Literacy

Course Description: In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understand social and ethical issues around the Internet, information, and security.

Course Length: One semester

Prerequisite: None

TCH114: Microsoft Office 1 – NEW!

Course Description: This course is a Project Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Word and PowerPoint. After completing this course, student will be prepared to take the Microsoft Office Specialist exam in Word and PowerPoint. Students work through hands on projects to hone skills in formatting text, page layout, images, charts, and a vast variety of commonly used word processing and presentation tools.

Course Length: One semester

Prerequisite: None

TCH115: Microsoft Office 2 – NEW!

Course Description: This course is a Project Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Outlook, Excel, and Access. After completing this course, student will be prepared to take the Microsoft Office Specialist exam in Excel. Students work through hands on projects to hone skills in data entry and management, formula creation, email management and a vast variety of commonly used email, spreadsheet, and database tools.

Course Length: One semester

Prerequisite: None