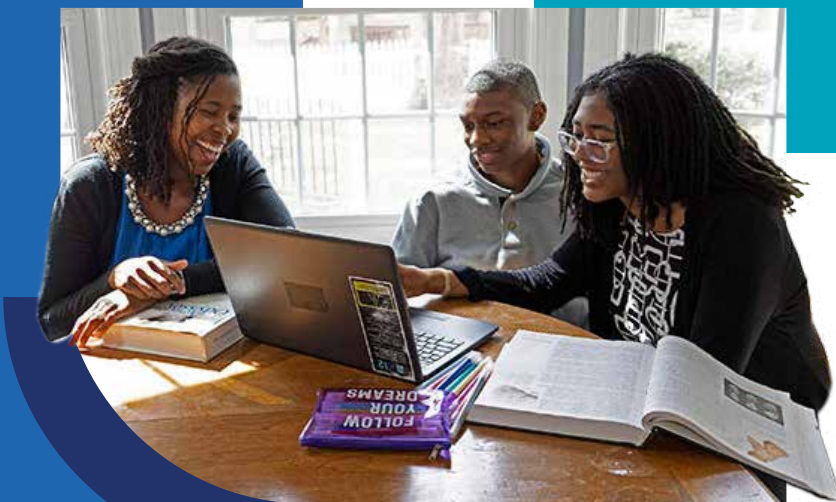




Course Catalog

2025–2026



GRADE 9–12

Not all schools offer all courses. In addition, some courses may require families to provide materials beyond those supplied by K12. For more information, please contact your K12-powered school. If you're not a current K12 family, please call 866.968.7512 with any questions.

Course Name ↓☰	Subject	Course Description
ART010 Fine Art	Art	This course combines art history, appreciation, and analysis, while engaging students in hands-on creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Studio lessons provide opportunities for drawing, painting, sculpting, and other creative endeavors.
ART016D Fine Art CR	Art	This course combines art history, appreciation, and analysis while engaging students in hands-on, creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Studio lessons provide opportunities for drawing, painting, sculpting, and other creative endeavors.
ART020 Music Appreciation	Music	This course introduces students to the history, theory, and genres of music. The first semester covers basic music theory concepts as well as early musical forms, classical music, patriotic and nationalistic music, and twentieth-century music. The second semester presents modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. To comply with certain state standards for the arts, a student "performance practicum" is required for full credit each semester. The performance practicum requirement can be met through participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/or instrumental skills. Parents or guardians will be required to present their student's proposed practicum to the student's teacher for approval, and validate their student's regular participation in the chosen performance practicum.

Course Name ↓☰	Subject	Course Description
ART030-DYN Art in World Cultures	Art	Students learn about some of the greatest artists while also creating art of their own, including digital art. The course explores the basic principles and elements of art, how to critique art, and how to examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.
ART040 Art Appreciation	Art	This one-semester course will introduce learners to the various forms of the visual arts, such as painting, sculpture, film, and more. Students will learn how to look at a work of art, identify and compare key characteristics in artworks, and understand the role art has played throughout history. Through hands-on activities, virtual museum tours, discussion, and research, learners will develop an overall appreciation for the art they encounter in their daily lives.
ART046D Art Appreciation CR	Art	This one-semester course will introduce learners to the various forms of the visual arts, such as painting, sculpture, film, and more. Students will learn how to look at a work of art, identify and compare key characteristics in artworks, and understand the role art has played throughout history. Through hands-on activities, virtual museum tours, discussion, and research, learners will develop an overall appreciation for the art they encounter in their daily lives.

Course Name ↓☰	Subject	Course Description
BUS032 Introductory Finance	Additional Electives, Career Readiness Education	Understanding financial management concepts is an important life skill. From credit to insurance to taxes, it is imperative that students understand the consequences of their choices. Wisely managing their money, students become citizens that are more responsible. A thorough understanding of financial concepts, with practical application through activities and projects, will enable students to leave this course with applicable, useful skills for life. This course surveys the basic personal financial needs of most individuals and emphasizes the basics of budgeting, saving, checking, investments, credit, the wise use of insurance, and paying and preparing income tax returns. After high school, students face a world filled with possibilities, and the more knowledge they can acquire, the higher the probability that their financial future will be secure. Students taking this course will learn to better prepare for their financial futures.
BUS036D Personal Finance CR	Career Readiness Education , Additional Electives	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.
CAR003E4 Welcome to K12 Career Prep	Career Readiness Education , Orientation	The Welcome Career Prep course is an introduction to the career prep program, curriculum, and features. The course includes an overview of career clusters, career and technical service organizations, and work-based learning. An orientation to project-based learning prepares students for completing coursework their career courses. Students also explore career learning collaboration tools such as Tallo, Nepris, and Microsoft Teams. Each lesson incorporates real experiences of past and present career learning students through video, text, and project samples.

Course Name ↓☰	Subject	Course Description
CAR106D Career Planning CR	Additional Electives, Career Readiness Education	The Career Planning Credit Recovery course is a flexible online course. Students use an informative, interactive process to explore career and life options in this one-semester elective. They begin with a thorough examination of their own interests, aptitudes, achievements, and personality styles. Instructional material then helps them match job market information, interview techniques, training requirements, and educational paths to potential careers that suit their strengths and personal priorities. Successfully completing this course gives students the ability to identify and describe their personal interests, aptitudes, and lifestyle goals; locate and evaluate information about different careers; identify the skills and knowledge needed for careers of interest and how to obtain them; and create an entrepreneurial business plan.
ENG001DE4 English Foundations I	English	Students build and reinforce foundational reading, writing, and basic academic skills typically found in third through fifth grade for which they have not achieved mastery. Through carefully paced, guided instruction and graduated reading levels, students improve reading comprehension and strategies, focusing on literacy development at the critical stage between decoding and making meaning from text. Instruction and practice in writing skills help students develop their composition skills in a variety of formats. If needed, students can continue their remediation of reading and writing skills with English Foundations II.
ENG011DE4 English Foundations II	English	Students build and reinforce foundational reading, writing, and basic academic skills needed for success in high school. Struggling readers develop mastery in reading comprehension, vocabulary building, study skills, and media literacy. Students build confidence in writing fundamentals by focusing on composition in a variety of formats, grammar, style, and media literacy.

Course Name ↓☰	Subject	Course Description
ENG020 Public Speaking	English	Students are introduced to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.
ENG030D Creative Writing	English	In this course, students explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. They study examples of classic and contemporary selections, apply what they learn to their own writing, and develop proficiency in the writing process. They learn to evaluate the writings of others and apply evaluation criteria to their own work. By the end of the course, students will have created a well-developed portfolio of finished written works.
ENG040 Grammar and Composition	English	In the course, students will consider the themes of personal identity and coming of age as they engage in writing assignments designed to provide basic writing practice. Students will read several short literary pieces. Instruction will focus on ideas, organization, sentence fluency and conventions.

Course Name ↓	Subject	Course Description
ENG106D English 9 CR	English	This course is also offered as a materials free version (Digital). The English 9 Credit Recovery course is a flexible online course designed for students who need to retake the course, catch up to classmates, or earn the credits necessary to graduate on-time. The 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. Examples of works studied include "The Black Cat," "Ain't I a Woman?" "Nothing Gold Can Stay," and the novel <i>The Alchemist</i> . Students also learn about the formal writing process as they write a literary analysis essay.
ENG108D English 9	English	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.
ENG109E3 English 9 Honors	English	The Summit English 9 Honors 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. This course includes all the topics in ENG108 as well as several extension activities. Each semester also includes an independent honors project.
ENG109E3 English 9 Honors	English	Coming Soon!

Course Name ↓	Subject	Course Description
ENG206D English 10 CR	English	Coming Soon!
ENG208E3 English 10	English	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.
ENG209E3 English 10 Honors	English	The Summit English 10 Honors 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, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course includes all the topics in Summit English 10, as well as an independent honors project in each semester.
ENG303DE4 American Literature (New SY 25-26)	English	In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. These works provide opportunities for text analysis, 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 Name ↓☰	Subject	Course Description
ENG304DE4 Honors American Literature (New SY 25-26)	English	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 text analysis, 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. Students enrolled in this challenging course also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.
ENG306D American Literature CR	English	This course is also offered as a materials free version (Digital). 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. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.
ENG403D British and World Literature	English	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 Name ↓☰	Subject	Course Description
ENG404D Honors British and World Lit	English	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 work independently on many of their analyses and engage in creative collaboration with their peers. Students also practice test-taking skills for standardized assessments in critical reading and writing.
ENG406D British and World Literature CR	English	This course is also offered as a materials free version (Digital).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. Students also practice test-taking skills for standardized assessments in critical reading and writing. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Course Name ↓☰	Subject	Course Description
ENG500E2 AP(R) English Language & Comp	English	Semester A In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition. Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam Semester B

Course Name ↓☰	Subject	Course Description
ENG510E2 AP(R) English Literature & Comp	English	Semester A AP® English Literature and Composition immerses students 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 class discussions to assess and improve their skills and knowledge. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. The key foci of this course are comprehension, interpretation, and analysis. More specifically, the course focuses on close and thematic reading skills. The writing students undertake is overwhelmingly of an analytical nature; students analyze meaning and how meaning is created. The equivalent of an introductory college-level survey class, this course prepares students for the AP Exam and for further study in creative writing, communications, journalism, literature, and composition. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks.
HLT012 Health I	Health and Physical Education	In this course, students will learn about the four domains of health—physical, mental, emotional, and social—and their interconnection, how to set goals for healthy living, and how relationships and choices can impact their health. Students will also explore different entities and influences and their role in daily health as well as how to build healthy communities to help them thrive.

Course Name ↓☰	Subject	Course Description
HLT200 Nutrition and Wellness (New SY 25-26)	Health	Nutrition and Wellness is a one-semester introductory course covering the basics of nutrition and health. It introduces nutrients, their sources, functions, and recommendations, as well as food labeling. Throughout life, you'll learn about digestion, metabolism, health factors, and nutritional needs. The course also covers eating disorders, food allergies, diet effects on weight and chronic illnesses, physical fitness, safe food handling, foodborne illnesses, food preparation, menu planning, and career options in nutrition and wellness.
HLT400 Mental Health Care Fundamentals	Career Readiness Education , Health	Fundamentals of Mental Health Care is a comprehensive course with insight and focus on the role of a mental health support professional in many aspects of mental health care. The course provides the foundational knowledge required of a clinical healthcare professional, as well as those working with individuals with psychiatric and/or intellectual disabilities. It has been designed to prepare students to achieve the status of Mental Health Technician – Certified. Emphasis is placed on the intake process, crisis care, inpatient care, and discharge planning duties and related knowledge. This course includes topics related to mental health disorders, substance use disorders, behavioral crisis management, ethical behavior, HIPAA compliance, anatomy and physiology, infection control, use of personal protective equipment, comprehensive electronic health records, and effective communication. It also addresses psychiatric pharmacology, aspects of medical law related to the psychiatric healthcare setting, support of the client through all phases of treatment, and maintaining client safety throughout the client's time in treatment.

Course Name ↓	Subject	Course Description
HLT475 Nursing Assistant Fundamentals	Career Readiness Education , Health	Nursing Assistant Fundamentals is a comprehensive course with insight and focus on the role of the nursing assistant. The course provides the foundational knowledge required of a clinical healthcare professional working in an entry level nursing position. It has been designed to prepare students to achieve the status of Certified Nursing Assistant. The significance of this course is to improve the quality of life and well-being of the patient. This course includes topics related to healthcare settings; the nursing assistant role; delegation process, ethics, and professionalism; communication; medical terminology; cardiopulmonary resuscitation and basic life support; environmental safety and infection control; and physical examination and vital signs. Additionally, this course also covers basic skills, such as bedmaking, positioning, transferring, and activity.
HLT480 Health Science Clinical (New SY 25-26)	Career Readiness Education , Health	This course is designed to allow students to gain hands-on experience in clinical operations, problem-solving, and decision-making. The first semester invites students into the world of healthcare professionals in various settings such as hospitals, clinics, and other health facilities. Students will learn medical terminology that will be useful in having effective communication with professionals in the industry. Students will work through a series of case studies that will deepen their understanding of the professional skills and knowledge they need to have successful careers in the health science industry. In the second semester of the course, students will have the opportunity to interact with healthcare professionals and industry experts to gain hands-on experience. Throughout the semester, students will build out their professional portfolios. These portfolios will include professional artifacts and anecdotes from hands-on experiences. Students' portfolios will showcase their professional profiles as they further their health science endeavors.

Course Name ↓☰	Subject	Course Description
HS ELA Skills Recovery I	English	The High School English Language Arts Skills Recovery I course is a flexible online course designed for grade 9 and 10 students who would benefit from remediation of general skills or strengthen skills in specific areas. The course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a 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 grades 9-10. Examples of works studied include "Harrison Bergeron," poems by Sara Teasdale and Stephen Crane, F.D. Roosevelt's "Four Freedoms" speech, and the memoir Night. Students also learn about the formal writing process as they write various genres of essays.
HS ELA Skills Recovery II	English	The High School English Language Arts Skills Recovery II course is a flexible online course designed for grade 11 and 12 students who would benefit from remediation of general skills or strengthening skills in specific areas. The course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a 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 grades 11-12. Examples of works studied include "Two Kinds" by Amy Tan, poems by Walt Whitman and Langston Hughes, writings by Thomas Paine, and an excerpt from the memoir Black Boy. Students also learn about the formal writing process as they write various genres of essays.
HST012D Anthropology	Additional Electives	What makes us human? Is it our ability to use language, tools, or technology? Trace the history of Homo sapiens and explore our evolutionary trail through an anthropologic lens to observe our movement from cave dwellers to modern humans. Learn how we forged our way and developed all the things that make us humans, such as our cultures, languages, and religions.

Course Name ↓☰	Subject	Course Description
HST020DE3 Psychology	History, Career Readiness Education	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.
HST030DE4 Economics	History	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 Name ↓☰	Subject	Course Description
HST040DE3 Civics	History	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.
HST060-DYN Sociology I	Career Readiness Education , Additional Electives	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.
HST061-DYN Sociology II	Additional Electives	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 Name ↓	Subject	Course Description
HST103DE4 World History (New SY 25-26)	History	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 within the context of the historical narrative. Online lessons and assessments complement World History: Our Human Story, a textbook written and published by Stride. Students are challenged to consider topics in depth and from multiple perspectives as they analyze primary sources and maps and complete other projects. They practice historical thinking and writing skills as they explore the broad themes and big ideas of human history.
HST104DE4 World History Honors (New SY 25-26)	History	In this challenging 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 advanced historical thinking and writing skills as they explore the broad themes and big ideas of human history. Students complete an independent honors project each semester.

Course Name ↓☰	Subject	Course Description
HST106DE2 World History CR	History	This course is also offered as a materials free version (Digital). In this survey of world history from prehistoric to modern times, students focus on the key 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 <i>World History: Our Human Story</i>, a textbook written and published by K12. Students 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. Diagnostic tests assess students’ current knowledge and generate individualized study plans, so students can focus on topics that need review.
HST203DE3 Modern World Studies (New SY 25-26)	History	In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the problems and accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography and investigate issues of concern in the contemporary world from multiple perspectives. Online lessons help students organize their studies, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, connecting past historical events to current events, and completing projects.

Course Name ↓☰	Subject	Course Description
HST204DE3 Modern World Studies Honors (New SY 25-26)	History	In this advanced course, students investigate the history of the world from approximately 1870 to the present. They begin with an analysis of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students undertake an in-depth examination of both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore advanced topics in physical and human geography, and investigate issues of concern in the contemporary world. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.
HST206DE2 Modern World Studies CR	History	This course is also offered as a materials free version (Digital). In this course, students follow the history of the world, from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the problems and accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography, and investigate issues of concern in the contemporary world. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, writing 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 Name ↓	Subject	Course Description
HST213DE3 Geography (New SY 25-26)	History	This course examines a broad range of geographical perspectives covering all 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. Audio readings and vocabulary flash cards support reading comprehension. Students learn and apply thinking skills as they complete assignments that provide a more in-depth focus on the subject matter.
HST216DE2 Geography CR	History	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.
HST222DE3 Contemporary World Issues	History	In this course, students will compare the geography, governments, economies, and cultures of the world. Emphasis will be placed on learning about the civics, politics, economics, structures, processes and policies of the United States and then comparing them with those of the international community. Students will use what they know and learn about the United States and the world to analyze current events and contemporary issues. Reasoning and research skills will be applied to the content throughout the course.

Course Name ↓	Subject	Course Description
HST303DE3 US History (New SY 25-26)	History	This course is a 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 Stride's <i>The American Odyssey: A History of the United States</i> . 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 time lines, completing projects and written assignments, and conducting independent research.
HST304DE3 US History Honors (New SY 25-26)	History	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 <i>The American Odyssey: A History of the United States</i> . 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.
HST306DE2 US History CR	History	This course is also offered as a materials free version (Digital). 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 time lines, 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 Name ↓	Subject	Course Description
HST313DE3 Modern US History (New SY 25-26)	History	This course is a full-year survey that provides students with a comprehensive view of American history from the Industrial Revolution of the late nineteenth century to recent events. Readings are primarily drawn from Stride's <i>The American Odyssey: A History of the United States</i>. Online lessons help students organize their studies, explore topics in depth, analyze events from multiple points of view, review in preparation for assessments, practice skills of historical thinking and analysis, and connect historical events to current events. Activities include analyzing primary sources and maps, completing written assignments, and conducting research.
HST314DE3 Modern US History Honors (New SY 25-26)	History	This course is a challenging full-year survey that provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Readings are drawn from K12's <i>The American Odyssey: A History of the United States</i>. Online lessons help students organize 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 time lines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.
HST316DE2 Modern US History CR	History	This course is also offered as a materials free version (Digital). This course provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Online lessons help students organize 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 Name ↓☰	Subject	Course Description
HST355 Financial Literacy Fundamentals	History	In this course, students will explore their choices as producers, consumers, investors, and taxpayers. In addition, they will learn financial literacy skills emphasizing investments, markets, and taxation. Students will apply what they learn to real-world simulation problems. Topics of study include markets from historical and contemporary perspectives; supply and demand; budgeting; understanding creditworthiness and credit reports; saving options; debt reduction; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, and the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism, such as unemployment, inflation, and the national debt; profiles of individuals who are making their mark in business and economics; and a survey of markets in such areas as China, Europe, and the Middle East.
HST403DE3 US Government and Politics	History	Students study the history, organization, and functions of the U.S. government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and their governing bodies. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court. They analyze current and historical issues from multiple points of view to practice and deepen their critical thinking skills.

Course Name ↓	Subject	Course Description
HST406DE2 US Government and Politics CR	History	This course studies the history, organization, and functions of the United States government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and our governing bodies. Students take a close look at the political culture of our country, and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court. They discuss their own views on current political issues. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.
HST413DE3 US and Global Economics	History	In this course on economic principles, students explore choices they face as producers, consumers, investors, and taxpayers. Students apply what they learn to real-world simulation problems. Topics of study include markets from historic and contemporary perspectives; supply and demand; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism, such as unemployment, inflation, and the national debt; profiles of individuals who are making their mark in business and economics, and a survey of markets in such areas as China, Europe, and the Middle East.

Course Name ↓	Subject	Course Description
HST416DE2 US and Global Economics CR	History	In this course on economic principles, students explore choices they face as producers, consumers, investors, and taxpayers. Students apply what they learn to real-world simulation problems. Topics of study include markets from historic and contemporary perspectives; supply and demand; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism, such as unemployment, inflation, and the national debt; and a survey of markets in such areas as China, Europe, and the Middle East.
HST500E5 AP(R) US History	History	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. The course prepares students for the AP Exam.

Course Name ↓☰	Subject	Course Description
HST510E2 AP (R) US Gov and Politics	History	AP U.S. Government and Politics studies the operations and structure of the United States government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions.
HST520E2 AP(R) Macroeconomics	History	AP Macroeconomics 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. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP Exam and for further study in business, political science, and history. The content aligns to the scope and sequence specified by the College Board and to widely used.

Course Name ↓	Subject	Course Description
HST530E2 AP(R) Microeconomics	History	AP Macroeconomics 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. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP Exam and for further study in business, political science, and history. The content aligns to the scope and sequence specified by the College Board and to widely used.
HST540E2 AP(R) Psychology	History	AP Psychology provides an overview of current psychological research methods and theories. Students will 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'll study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of a 100 level college survey course, AP Psychology prepares students for the AP Exam and for further studies in psychology and life sciences.
HST550 AP(R) Human Geography	History	In this course, students will identify and define the central themes of human geography and ways in which key concepts in AP Human Geography are linked together.

Course Name ↓	Subject	Course Description
Intensive Reading 9-12 (New SY 25-26)	English	Intensive Reading 9-12 is designed for students reading below grade level, providing them with the essential skills to excel. Each lesson is rooted in the latest scientific research on reading, focusing on specific skills through engaging direct instruction and practice. The course includes frequent assessments to monitor progress and tailor interventions to individual student needs. Students read and analyze a diverse range of fictional and informational texts. Students express their ideas and knowledge using standard (formal) English in both written and oral assignments. Through expressive, analytical, and procedural writing, students develop the communication skills vital for success in today's world.
K12 Skills Arcade AP Biology Review	Science	K12 Skills Arcade is an engaging, adaptive skills practice platform that motivates students towards skill mastery with rewards learning. This course is supplemental and offers direct access to the platform where students can practice AP Biology content at their own pace in preparation for their AP exams. Content is aligned with College Board standards with over 900+ questions available for students.
K12 Skills Arcade AP World HST Review	History	K12 Skills Arcade is an engaging, adaptive skills practice platform that motivates students towards skill mastery with rewards learning. This course is supplemental and offers direct access to the platform where students can practice AP World History content at their own pace in preparation for their AP exams. Content is aligned with College Board standards with over 900+ questions available for students.

Course Name ↓☰	Subject	Course Description
MTH001DE3 Math Foundations I	Math	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. 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.
MTH011DE3 Math Foundations II	Math	Students build and reinforce foundational math skills typically found in sixth through eighth grade, achieving the computational skills and conceptual understanding needed to undertake high school math courses with confidence. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. This course is appropriate for use as remediation at the high school level or as a bridge to high school.
MTH106D Pre-Algebra CR	Math	Stride's Pre-Algebra credit recovery course is intended to formalize and extend the mathematics that students learned in the middle grades and prepare students for a formal algebra course. In this course, students deepen their understanding of linear equations and inequalities by contrasting them with each other. Students also learn about systems of equations and inequalities and prepare for Algebra with an initial exposure to polynomials, their properties and how to operate with them. Students also study irrational numbers and the Pythagorean theorem. Students take short diagnostic assessments at the beginning of the course for blocks of related content within each unit. Student performance on these assessments determines the content revealed to the student.

Course Name ↓☰	Subject	Course Description
MTH107D Developmental Algebra (New SY 25-26)	Math	This is the first course in a two-year algebra sequence that concludes with Continuing Algebra . 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.
MTH113DE3 Pre-Algebra (New SY 25-26)	Math	In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students extend their understanding of ratio to develop an understanding of proportions and solve problems including scale drawings, percent increase and decrease, simple interest, and tax. Students extend their understanding of numbers and properties of operations to include rational numbers. Signed rational numbers are contextualized and students use rational numbers in constructing expressions and solving equations. Students derive formulas and solve two-dimensional area problems including the area of composite figures. In three dimensions, students find surface area using formulas and nets. Students also compute the volume of three-dimensional objects including cubes and prisms. Students make use of sampling techniques to draw inferences about a population including comparative inferences about two populations. Students also investigate chance processes through experimental and theoretical probability models.

Course Name ↓	Subject	Course Description
MTH126D Algebra 1 CR (New SY 25-26)	Math	This course is also offered as a materials free version (Digital). The Algebra 1 Credit Recovery course leads students from their proficiency and understanding of numbers and operations into the mathematics of algebraic thinking. Building on pre-algebra skills developed in middle school, students deepen their understanding of linear expressions and equations, linear inequalities, and coordinate graphing. They then explore and learn about the function concept, radical expressions, exponential expressions and functions, quadratic functions, systems of equations, factoring and roots of equations, and basic statistical analysis.
MTH128DE2 Algebra 1	Math	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.
MTH129DE2 Algebra 1 Honors	Math	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 Name ↓☰	Subject	Course Description
MTH146D Integrated Math I CR	Math	This first-year high school integrated math course focuses on linear and simple exponential models. The course contrasts linear behavior with exponential behavior and uses both linear and simple exponential equations as models. Students learn about and work extensively with functions—analyzing function properties and behavior, creating and transforming functions, and applying functions to various continuous and discrete situations. The statistics in the course cover both univariate and bivariate data. For univariate data, students learn about measures of center and spread. For bivariate data, they learn about correlation and fitting data to a line. The topics in geometry include transformations, reasoning, congruence, construction, and analytic geometry. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.
MTH148D Integrated Mathematics I	Math	This first-year high school integrated math course focuses on linear and simple exponential models. The course contrasts linear behavior with exponential behavior and uses both linear and simple exponential equations as models. Students learn about and work extensively with functions—analyzing function properties and behavior, creating and transforming functions, and applying functions to various continuous and discrete situations. The statistics in the course cover both univariate and bivariate data. For univariate data, students learn about measures of center and spread. For bivariate data, they learn about correlation and fitting data to a line. The topics in geometry include transformations, reasoning, congruence, construction, and analytic geometry.

Course Name ↓	Subject	Course Description
MTH206D Geometry CR	Math	This course is also offered as a materials free version (Digital). The Geometry Credit Recovery course combines mathematical reasoning and proof with an extension of students' algebraic development in geometric contexts. The course focuses primarily on two-dimensional shapes in the Euclidean plane. Starting with segments and angles, students develop understanding of and work through problems and proofs involving congruence, similarity, parallel and perpendicular lines, quadrilaterals, and circles. Toward the end of the course, time is also spent extending the treatment of triangles into basic trigonometry concepts and providing students with a detailed taste of analytic geometry by developing and using the equation of a circle in the coordinate plane.
MTH207D Continuing Algebra (New SY 25-26)	Math	This is the second course in a two-year algebra sequence. In this course, students build on what they learned in 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.
MTH208 Geometry	Math	K12's 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 Name ↓	Subject	Course Description
MTH209 Geometry Honors	Math	This Summit Geometry Honors 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. This course includes all the topics in MTH208 as well as several extension activities. Each semester also includes an independent honors project.
MTH246D Integrated Math II CR	Math	Integrated Mathematics II, a second-year high school math course, introduces students to polynomials, including the factoring of polynomials, before moving onto quadratics equations and quadratic functions. Students expand on their knowledge of sequences in learning about series. The course also covers probability, including conditional probability. There are many geometry topics in the course, including transversals, quadrilaterals, similarity, volume, and circles. Students solve problems using right triangle trigonometry and special right triangles, and use the tools of analytic geometry to describe circles and parabolas in the coordinate plane. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.
MTH248D Integrated Mathematics II	Math	Integrated Mathematics II, a second-year high school math course, introduces students to polynomials, including the factoring of polynomials, before moving onto quadratics equations and quadratic functions. Students expand on their knowledge of sequences in learning about series. The course also covers probability, including conditional probability. There are many geometry topics in the course, including transversals, quadrilaterals, similarity, volume, and circles. Students solve problems using right triangle trigonometry and special right triangles, and use the tools of analytic geometry to describe circles and parabolas in the coordinate plane.

Course Name ↓☰	Subject	Course Description
MTH306D Algebra 2 CR (New SY 25-26)	Math	This course is also offered as a materials free version (Digital).The Algebra 2 Credit Recovery course builds on the mathematical proficiency and reasoning skills developed in Algebra 1 and Geometry to lead students into advanced algebraic work. The course emphasizes the concept of functions throughout. Sandwiched between short forays into probability and statistics is a thorough treatment of linear, quadratic, higher-degree polynomial, exponential, logarithmic, and trigonometric functions, with emphasis on analysis, problem solving, and graphing. Toward the end of the course, an introduction to sequences and series is presented in preparation for future work in mathematics.
MTH307E2 Practical Math	Math	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.
MTH308E1 Algebra 2	Math	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 Name ↓	Subject	Course Description
MTH309E1 Algebra 2 Honors	Math	In the 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.
MTH322D Consumer Math	Math	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.
MTH326D Consumer Math CR	Math	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 Name ↓☰	Subject	Course Description
MTH332D Integrated Math	Math	Students will build mathematical skills that allow students to solve problems and reason logically. Students will be able to communicate their understanding by organizing, clarifying, and refining mathematical information for a given purpose. Students will use every day and mathematical language and notation in appropriate and efficient forms to clearly express or represent complex ideas and information.
MTH346D Integrated Math III CR	Math	In this third-year high school integrated math course, students expand on previous high school math topics including systems of equations and inequalities, polynomials, trigonometry, statistics, and functions. The introduction of complex numbers leads to new adventures in factoring polynomials, solving polynomial equations, and graphing polynomials. Students work with radical and rational expressions and equations and extend their knowledge of exponential functions to inverses and logarithmic functions. They learn about the unit circle and use trigonometric functions to model periodic processes. Geometric topics include three-dimensional visualization, design and optimization, and real-world modeling. Students are introduced to piecewise and logistic functions and perform quadratic and exponential regressions. Finally, students use statistical and probability tools, such as the standard normal distribution, to understand data, and use simulations, experiments, and surveys to make inferences. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Course Name ↓☰	Subject	Course Description
MTH348D Integrated Mathematics III	Math	In this third-year high school math course, students expand on previous high school math topics including systems of equations and inequalities, polynomials, trigonometry, statistics, and functions. The introduction of complex numbers leads to new adventures in factoring polynomials, solving polynomial equations, and graphing polynomials. Students work with radical and rational expressions and equations and extend their knowledge of exponential functions to inverses and logarithmic functions. In geometry, they learn about the unit circle and use trigonometric functions to model periodic processes. Other geometric topics include three-dimensional visualization, design and optimization, and real-world modeling. Students are introduced to piecewise and logistic functions and perform quadratic and exponential regressions. Finally, students use statistical and probability tools, such as the standard normal distribution, to understand data, and use simulations, experiments, and surveys to make inferences. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.
MTH403DE2 Pre-Calculus/Trigonometry	Math	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 Name ↓☰	Subject	Course Description
MTH413D Probability and Statistics	Math	Students learn counting methods, probability, descriptive statistics, graphs of data, the normal curve, statistical inference, and linear regression. Proficiency is measured through frequent online and offline assessments, as well as asynchronous discussions. Problem-solving activities provide an opportunity for students to demonstrate their skills in real-world situations.
MTH433DE2 Calculus	Math	This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.