

# K12

# Course Catalog

## 2023–2024



## GRADE 6–8

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| ART05 Summit Intermediate American Art I                                                      | Art                        | Summit Intermediate American Art 1 includes an introduction to the artists, cultures, and great works of art and architecture of North America, from pre-Columbian times through 1877. Students will study and create various works, both realistic and abstract, including sketches, masks, architectural models, prints, and paintings; investigate the art of the American Indians, and Colonial and Federal America; and create artworks inspired by works they learn about, using many materials and techniques. For example, after studying John James Audubon's extraordinary paintings of birds, students make bird paintings with realistic color and texture. |
| ART06 Summit Intermediate American Art II                                                     | Art                        | ART06 Summit Intermediate American Art II lessons include an introduction to the artists, cultures, and great works of American art and architecture from the end of the Civil War through modern times. Students will investigate paintings done in various styles, from impressionist to pop; learn about modern sculpture and folk art; discover how photographers and painters have inspired one another; examine examples of modern architecture, from skyscrapers to art museums; and create artworks inspired by works they learn about.                                                                                                                         |
| ART07 Summit Intermediate World Art I                                                         | Art                        | ART07 Summit Intermediate World Art I lessons include an introduction to the artists, cultures, and great works of world art and architecture from ancient through medieval times. Students will investigate how artists from different civilizations used various techniques, from painting to mosaic; examine elements of design and styles of decoration, from the spiral to the solar disk; and explore some of the best-preserved works from ancient tombs, including the treasures of Egypt's King Tut.                                                                                                                                                           |
| ART08 Summit Intermediate World Art II                                                        | Art                        | ART08 Summit Intermediate World Art II lessons include an introduction to the artists, cultures, and great works of world art and architecture from the Renaissance through modern times. Students will study various works of art from the Renaissance and beyond; discover great works of art and see how they influenced later artists; compare and contrast works from many civilizations, from paintings to sculpture, architecture, book covers, prints, and more; and create artworks inspired by works they learn about.                                                                                                                                        |
| BUS065E2-PBL Marketing 1                                                                      | Career Readiness Education | This course is a Project Based Learning course (PBL). Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management.                                                                                                                                                                                                                                                                                |

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| CAR003E3<br>Welcome to Stride<br>Career Prep                                                  | 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.                                            |
| CAR005 Middle<br>School Career<br>Explorations 1                                              | Career<br>Readiness<br>Education                             | How do you pick a career path when you're not sure what's even out there? This course allows you to begin exploring options in fields such as teaching, business, government, hospitality, health science, IT, and more! You'll align your interests, wants, and needs to career possibilities, including the required education for each. Let's find a pathway that works for you.                                                                                                                                                                                                                                           |
| CAR005-PBL<br>Middle School<br>Career<br>Explorations 1                                       | Additional<br>Electives,<br>Career<br>Readiness<br>Education | This course is a Project Based Learning course (PBL) and is designed as an exploration of career pathways. In this course students explore basic concepts in the broad areas within the National Career Clusters® Framework, as well as career options in various clusters. Students study the concepts of marketing, engineering, education, training, healthcare, and construction in addition to other common related functions. Students complete projects to develop a deeper understanding of the roles these career functions play.                                                                                    |
| CAR007 Middle<br>School Career<br>Explorations II                                             | Additional<br>Electives,<br>Career<br>Readiness<br>Education | Imagine that it's 20 years from now. What career do you see yourself in? What do you imagine that you'll be doing? Will you be fighting forest fires or engineering the next rocket into space? With all the careers available, it can be difficult to narrow them down. In Middle School Career Exploration II we'll explore more careers and what it takes to succeed in them. You'll learn more about what steps to take to prepare for your career and how to compare the pros and cons of different career choices. Finally, you'll get the chance to try out parts of different careers to see if you're a perfect fit! |
| CAR007-PBL<br>Middle School<br>Career<br>Explorations 2                                       | Additional<br>Electives,<br>Career<br>Readiness<br>Education | This course is a Project Based Learning course (PBL) and is designed as an exploration of career pathways. In this course students explore basic concepts in the broad areas within the National Career Clusters® Framework, as well as career options in various clusters. Students study the concepts of cybersecurity, nutrition, social responsibility, and the process of applying for a job in addition to other common related functions. Students complete projects to develop a deeper understanding of the roles these career functions play.                                                                       |

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| CAR017E2-PBL<br>Business and<br>Marketing<br>Explorations                                     | Career<br>Readiness<br>Education | This course is a Project Based Learning course (PBL). This course is designed as an exploration of the business career pathways. Students will get an introduction to business careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of business and marketing, as well as career options in each area. Students study the concepts of marketing, financial management, and human resource management, in addition to other common business related functions. Students complete projects to develop a deeper understanding of the roles these business functions play.                                                                                                                                                                                                           |
| CAR019E4-PBL<br>Healthcare<br>Explorations                                                    | Career<br>Readiness<br>Education | This course is a Project Based Learning course (PBL) and is designed as an exploration of career pathways in healthcare. In this course students study the concepts of public service, effective communication, planning for emergencies, legal issues in health care, and career options in addition to other common related functions. Students complete projects to develop a deeper understanding of the roles these career functions play.                                                                                                                                                                                                                                                                                                                                                                                                               |
| CAR019 Healthcare<br>Explorations                                                             | Career<br>Readiness<br>Education | This course is designed as an exploration of the healthcare career pathways. Students will get an introduction to healthcare careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of healthcare, as well as career options in each area. Students study the concepts of disease prevention, personal health management, and social work, in addition to other common health related functions. Students complete projects to develop a deeper understanding of the roles these healthcare functions play.                                                                                                                                                                                                                                                                        |
| CAR025<br>Manufacturing<br>Explorations                                                       | Career<br>Readiness<br>Education | Think about the last time you visited your favorite store. Have you ever wondered how the products you buy make it to the store shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In this course, you'll learn about the types of manufacturing systems and processes used to create the products we buy every day. You'll also be introduced to the various career opportunities in the manufacturing industry including those for engineers, technicians, and supervisors. As a culminating project, you'll plan your own manufacturing process for a new product or invention! If you thought manufacturing was little more than mundane assembly lines, this course will show you just how exciting and fruitful the industry can be. |

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| CAR025-PBL<br>Manufacturing<br>Explorations                                                   | Career<br>Readiness<br>Education | This course is a Project Based Learning course (PBL). This course is designed as an exploration of the manufacturing career pathways. Students will get an introduction to manufacturing careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of manufacturing, as well as career options in each area. Students study the concepts of personal safety, machine maintenance, and computer-aided drafting, in addition to other common manufacturing related functions. Students complete projects to develop a deeper understanding of the roles these manufacturing functions play. |
| CAR031<br>Engineering<br>Explorations                                                         | Career<br>Readiness<br>Education | This course guides students through an investigation of engineering careers. Students are introduced to the basics of engineering, learn how to turn problems into ideas, and develop a basic understanding of civil, mechanical, chemical, and biological engineering.                                                                                                                                                                                                                                                                                                                                                                                           |
| CAR045<br>Agriculture<br>Explorations                                                         | Career<br>Readiness<br>Education | This course is designed as an exploration of the agriculture career pathways. Students will get an introduction to agriculture careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of agribusiness and agriscience, as well as career options in each area. Students study the concepts of horticulture, natural resources, and livestock production, in addition to other common agriculture related functions. Students complete projects to develop a deeper understanding of the roles these agricultural functions play.                                                       |
| CAR045E2-PBL<br>Agriculture<br>Explorations                                                   | Career<br>Readiness<br>Education | This course is a Project Based Learning course (PBL). This course is designed as an exploration of the agriculture career pathways. Students will get an introduction to agriculture careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of agribusiness and agriscience, as well as career options in each area. Students study the concepts of horticulture, natural resources, and livestock production, in addition to other common agriculture related functions. Students complete projects to develop a deeper understanding of the roles these agricultural functions play. |
| CAR050 Education<br>and Training<br>Explorations                                              | Career<br>Readiness<br>Education | The Education and Training Explorations course is designed for students to explore careers found in the Education and Training Career Cluster. Students in Education and Training Explorations will study a variety of topics, including professional skills and job responsibilities of various education job workers.                                                                                                                                                                                                                                                                                                                                           |

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| CAR095E2-PBL IT Explorations                                                                  | Career Readiness Education                       | This course is designed as an exploration of the information technology career pathways. Students will get an introduction to information technology careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of information technology, as well as career options in each area. Students study the concepts of networking information support, web and digital communications, and programming and software development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CAR095 IT Explorations                                                                        | Career Readiness Education                       | This course is designed as an exploration of the information technology career pathways. Students will get an introduction to information technology careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of information technology, as well as career options in each area. Students study the concepts of networking information support, web and digital communications, and programming and software development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ENG005 Middle School Journalism                                                               | Additional Electives, Career Readiness Education | Who? What? When? Where? Journalism provides us with the answers to these questions for the events that affect our lives. In this course, students will learn how to gather information, organize ideas, format stories for different forms of news media, and edit their stories for publication. The course will also examine the historical development of journalism and the role of journalism in society.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ENG06E3 Summit Language Arts 6                                                                | English                                          | This course equips students with the essential language arts skills needed throughout their academic careers. Students read and analyze a variety of informational and fictional texts. Instruction and reading strategies accompany reading selections to help engage students in the text and sharpen their comprehension. Students express their ideas and knowledge using standard (formal) English in written and oral assignments. Writing expressive, analytical, and procedural compositions helps students develop communication skills necessary in today's world. Vocabulary is taught explicitly and through an array of vocabulary acquisition strategies that give students the tools to independently increase their vocabulary. Students study grammar, usage, and mechanics; and practice sentence analysis, sentence structure, and proper punctuation. The course includes discussion activities that engage students in the curriculum while creating a sense of community. |

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| ENG07E3 Summit<br>Language Arts 7                                                             | English                             | This course continues the development of comprehension and analysis of informational and fictional texts with an ongoing emphasis on reading strategies. Students express themselves using standard (formal) English in written and oral presentations. Analyzing and practicing the form and structure of various genres of writing enhances students' communication skills. Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies. The course includes discussion activities that engage students in the curriculum while creating a sense of community.                                                                                                                                                                                                                                                                                            |
| ENG08E3 Summit<br>Language Arts 8                                                             | English                             | Throughout this course, students engage in literary analysis and close reading of short stories, poetry, drama, novels, and informational texts. The course focuses on interpretation of literary works, analysis of informational texts, and the development of oral and written communication skills in standard (formal) English. Students read "between the lines" to interpret literature and go beyond the text to discover how the culture in which a work of literature was created contributes to the theme and ideas it conveys. Analysis of the structure and elements of informational texts and media helps students develop the skills needed for academic success and navigating the world. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary. Implementing reading strategies, self-monitoring progress and reflecting on successes and challenges help students become metacognitive learners. The course includes discussion activities that engage students in the curriculum while creating a sense of community.                        |
| HLT06DE2 Summit<br>Health 6                                                                   | Health and<br>Physical<br>Education | The sixth grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed, as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the renal and urinary system, nutrition, food allergies, prevention of common diseases, the influence of the media on health behaviors and buying habits, safety, Internet safety, conflict resolution, bullying, and violence prevention. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol, including the opioid epidemic; environmental health, including a service project; and mental and emotional health and disorders. The course engage students with relevant health and wellness topics, and real-world concepts and health issues. Graded assignments, quizzes, and tests assess student understanding of the various health topics and concepts from the course. |

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| HLT07DE2 Summit<br>Health 7                                                                   | Health and<br>Physical<br>Education | The seventh grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the circulatory system, the benefits of physical activity, nutrition, how to identify and avoid risky behaviors, safety, building character through maintaining healthy relationships, bullying, and violence prevention. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol; environmental health; and mental and emotional health and disorders. The course engages students with relevant health and wellness topics and real-world concepts and health issues. Graded assignments, quizzes, and tests assess student understanding of the various health topics and concepts from the course. |
| HLT08DE2 Summit<br>Health 8                                                                   | Health and<br>Physical<br>Education | The eighth grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the nervous system, communicable and noncommunicable diseases, online safety, and conflict resolution. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol; environmental health; and mental and emotional health and disorders. The course engages students with relevant health and wellness topics, real-world concepts, and health issues. Graded assignments, quizzes, and tests assess student understanding of the various health topics and concepts from the course.                                                                                                                       |
| HST05 Summit<br>American History<br>Before 1865                                               | History                             | The first half of a detailed two-year survey of the history of the United States, this course takes students from the arrival of the first people in North America through the Civil War and Reconstruction. Lessons integrate topics in geography, civics, and economics. Building on the award-winning series <i>A History of US</i> , the course guides students through critical episodes in the story of America. Students investigate Native American civilizations; follow the path of European exploration and colonization; assess the causes and consequences of the American Revolution; examine the Constitution and the growth of the new nation; and analyze what led to the Civil War and its aftermath.                                                                                                                                                                                                                                                                                                       |

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| HST06 Summit<br>American History<br>Since 1865                                                | History | The second half of a detailed two-year survey of the history of the United States, this course takes students from the westward movement of the late 1800s to the present. Lessons integrate topics in geography, civics, and economics. The course guides students through critical episodes in the story of America. Students examine the effect of the settlement of the American West; investigate the social, political, and economic changes that resulted from industrialization; explore the changing role of the United States in international affairs from the late nineteenth century through the end of the Cold War; and trace major events and trends in the United States from the Cold War through the first decade of the twenty-first century.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HST07E2 World<br>History I                                                                    | History | Intermediate World History A surveys the story of the human past from the period before written records (prehistory) through the fourteenth century. The course is organized chronologically and, within broad eras, regionally. Students examine change over time, including the development of religion, philosophy, the arts, and science and technology. Geography concepts and skills are introduced as they appear in the context of the historical narrative. Students explore what archaeologists and historians have learned about the earliest hunter-gatherers and farmers and then study the four river valley civilizations. They also study the origins of Confucianism, Hinduism, Buddhism, and Judaism and the eras in which they developed. The second half of the course traces the history of classical Greece and Rome, the Byzantine Empire, and the origins of Christianity and Islam, continuing to the fourteenth century in Europe, North Africa, and East Asia. Students develop and refine historical thinking skills by practicing document and art analysis, conducting research, and analyzing events from multiple perspectives. They also practice map reading skills, study how historians draw conclusions about the past as well as what those conclusions are, and connect past events to today's world. |

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| HST08D Summit American History to the Late 1800s                                              | History | <p>In HST08 Summit American History to the Late 1800s, students study major historical events and people from colonization through the Reconstruction period. This includes a study of Colonial America, the Revolutionary War, the drafting of the Constitution, the growth of the United States, the Civil War, and Reconstruction.</p> <p>In addition, the course contains two flex units of lessons that can be used as part of the main course to address local standards. One of these units focuses on the history and cultures of Native Americans, as well as other indigenous peoples and their descendants, who have contributed to the history of the United States. The second flex unit covers the major historical events and people from post-Reconstruction to the beginning of the twentieth century.</p> <p>Throughout the course, students practice critical analysis skills as they read primary sources and study historical accounts from a variety of perspectives. They expand their knowledge of the world around them by studying how geography has influenced American history. By analyzing related current events, students see how the events of yesterday affect the world around them today. Students also reflect on changes and continuities within and between time periods. Students demonstrate their knowledge through a mixture of projects, discussions, tests, and independent work.</p> <p>StrideLS</p> |

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| HST08E2D World History II                                                                     | History | <p>Continuing a survey of World History from prehistoric to modern times, Stride online lessons and assessments complement the second volume of The Human Odyssey, a textbook series developed and published by Stride. This course focuses on the story of the past from the fourteenth century to 1917 and the beginning of World War I. The course is organized chronologically and, within broad eras, regionally. Lessons explore developments in religion, philosophy, the arts, and science and technology.</p> <p>The course introduces geography concepts and skills as they appear in the context of the historical narrative. Major topics of study include:</p> <ul style="list-style-type: none"> <li>· The cultural rebirth of Europe in the Renaissance</li> <li>· The Reformation and Counter-Reformation</li> <li>· The rise of Islamic empires</li> <li>· Changing civilizations in China, Japan, and Russia</li> <li>· The Age of Exploration, and the civilizations that had been flourishing in the Americas for hundreds of years prior to encounters with Europeans</li> <li>· The changes that came with the Scientific Revolution and the Enlightenment</li> <li>· Democratic revolutions of the eighteenth and nineteenth centuries</li> <li>· The Industrial Revolution and its consequences</li> <li>· Nineteenth century nationalism and imperialism</li> <li>· The remarkable transformations in communications and society at the turn of the twentieth century</li> </ul> |
| MS English Language Arts Skills Recovery                                                      | English | <p>The Middle School English Language Arts Skills Recovery course is a flexible online course designed for 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 language, with a focus on exploring a variety of genres and their elements. Students learn how to conduct a close reading, interpret, and analyze literature and nonfiction works appropriate for middle school grades. Students learn about the formal writing process as they engage in writing activities in various genres. They study grammar, usage, mechanics, vocabulary skills, and reading strategies. Students also have the opportunity to analyze speeches and develop their own speaking skills.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| MS History and Social Studies Skills Recovery                                                 | History | The Middle School History and Social Studies Skills Recovery course is a flexible online course designed for students who would benefit from the remediation or of general skills or from the review of skills and content in specific areas. In the first unit, the course includes engaging and interactive instruction about geography, which includes understanding maps, examining the earth's structure and different climates, and showing how humans impact the environment. The second unit teaches concepts about civics and government, which includes comparing different types of government, analyzing the U.S. Constitution, and addressing civic and political participation. The third unit contains an in-depth history of the United States, which includes exploring Native American and European settlements, examining the founding and growth the United States, and analyzing the changing nature of U.S. politics, economics, and government through the middle of the twentieth century. The fourth unit provides a survey of world history, which includes comparing the cultures of ancient and Middle Age civilizations all over the world, analyzing the influence of exploration and revolutions, and examining important world events up to the Cold War. The fifth unit provides engaged instruction on economic principles, which includes comparing different systems, explaining the factors that affect the market economy and globalization, and practicing personal finance. |
| MTH06D Math 6 Skills Recovery                                                                 | Math    | In Stride's Grade 6 mathematics course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division, and in preparation for work with proportional relationships in Grade 7. Students also make connections among area, volume, and surface area, and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MTH06E3 Summit Math 6                                                                         | Math    | In Stride's Grade 6 mathematics course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division, and in preparation for work with proportional relationships in Grade 7. Students also make connections among area, volume, and surface area, and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| MTH07D Math 7 Skills Recovery                                                                 | Math    | In Stride's Grade 7 mathematics course, students focus on real-world scenarios and mathematical problems involving algebraic expressions and linear equations and begin to apply their understanding of rational numbers with increased complexity. The course lays the foundation for exploring concepts of angle, similarity and congruence, more formally addressed in Grade 8, as students work with scale drawings and construct and analyze relationships among geometric figures. Students also develop and apply understandings of proportional relationships.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MTH07E2 Pre-Algebra                                                                           | 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. |
| MTH07E3 Summit Math 7                                                                         | Math    | In Stride's Grade 7 mathematics course, students focus on real-world scenarios and mathematical problems involving algebraic expressions and linear equations and begin to apply their understanding of rational numbers with increased complexity. The course lays the foundation for exploring concepts of angle, similarity and congruence, more formally addressed in Grade 8, as students work with scale drawings and construct and analyze relationships among geometric figures. Students also develop and apply understandings of proportional relationships.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| MTH08D Math 8 Skills Recovery                                                                 | Math    | The Grade 8 Skills Recovery mathematics course is designed to provide appropriate remediation to students before engaging in regular lesson content. Students take short diagnostic assessments before blocks of related content within each unit. Student performance on these assessments determines the level of remediation offered. Each lesson offers two levels of remediation; the pre-requisite of the lesson content and the pre-pre-requisite of the lesson content. The Grade 8 Skills Recovery mathematics course regular content prepares students for more advanced study in algebra. Students learn to solve linear equations, work with integer exponents, square roots and cube roots, graph and write linear equations in different forms and from multiple representations, gain conceptual understanding of functions, and learn to analyze key features of functions from multiple representations. Students are prepared for more advanced study of geometry through lesson emphasis on angle pairs, triangles, the Pythagorean theorem, volume, transformations, similarity and congruence. |
| MTH08 Summit Math 8                                                                           | Math    | Grade 8 mathematics course prepares students for more advanced study in algebra as students solve linear equations and systems of equations, work with radical and integer exponents, gain conceptual understanding of functions, and use functions to model quantitative relationships. To prepare students for more advanced study in geometry, the course emphasizes the Pythagorean theorem and a deepening exploration of similarity and congruence.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MUS06 Spotlight on Music, Grade 6                                                             | Music   | Explore and build foundational musical skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. Six units in the course are organized into four sections: Spotlight on Concepts, Spotlight on Music Reading, Spotlight on Performance, and Spotlight on Celebrations. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUS07 Spotlight on Music, Grade 7                                                             | Music   | Explore and build foundational musical skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. The course is organized into nine units. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Course Name  | Subject                       | Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| MUS08 Spotlight on Music, Grade 8                                                             | Music                         | Explore and build foundational musical skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. The course is organized into nine units. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.                                                                                 |
| ORN010E6 Online Learning: Middle and High School                                              | Orientation                   | The Online Learning: Middle and High School course is an introduction to the virtual learning environment for middle and high school students with information for Learning Coaches. Topics include an orientation to people and parts of an online school, the online school platform, opportunities for socializing, sample assessments, and tips about how to create an effective learning environment, manage time, and be successful. Each lesson has video tutorials, printable guides, and practice activities such as sending e-mail or creating schedules and backup plans. Veteran students and Learning Coaches share personal experiences and advice. |
| OTH06 Summit Physical Education 6                                                             | Health and Physical Education | The sixth grade physical education course introduces students to health-related fitness components, dance, team sports, and lifetime activities. Students learn the essential principles to live a healthy, active lifestyle. The lessons give students exposure to many activities that can be incorporated into their daily lives today, tomorrow, and in the future.                                                                                                                                                                                                                                                                                           |
| OTH06 Summit Physical Fitness 6                                                               | Health and Physical Education | Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity.                                                                                                                                          |
| OTH07 Summit Physical Education 7                                                             | Health and Physical Education | Students are exposed to diverse activities and learn a wide variety of fitness concepts that they can use in their everyday lives. Students learn skills for lifelong activities, such as strength training and power walking, as well as several options for aerobic activities. They are able to measure their progress and accomplishments through the completion of fitness tests. On completing this course, students will have the knowledge to stay fit and active well beyond middle school.                                                                                                                                                              |

| Course Name  | Subject                             | Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| OTH07 Summit<br>Physical Fitness 7                                                            | Health and<br>Physical<br>Education | Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity.                                                                                                                                                                                                                                                     |
| OTH08 Summit<br>Physical Education<br>8                                                       | Health and<br>Physical<br>Education | In the eighth grade physical education course, students are exposed to various physical activities and fitness concepts that contribute to their overall physical activity level. Students learn a multitude of skills that will accompany them throughout their lives. Skills and concepts include target heart rate, the basics of fitness testing, goal setting, flexibility, aerobic/anaerobic exercise, strength training, and other individual games and activities, as well as team sports. This course gives students fitness knowledge and skills that can be incorporated into their lives now and in the future.                                                                                                                                                  |
| OTH08 Summit<br>Physical Fitness 8                                                            | Health and<br>Physical<br>Education | Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity.                                                                                                                                                                                                                                                     |
| SCI06DE3 Summit<br>Earth Science                                                              | Science                             | The Earth Science curriculum builds on the natural curiosity of students. By connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe, the curriculum gives students an opportunity to relate to their everyday world. Students will explore topics such as the fundamentals of geology, oceanography, meteorology, and astronomy; Earth's minerals and rocks; Earth's interior; plate tectonics, earthquakes, volcanoes, and the movements of continents; geology and the fossil record; the oceans and the atmosphere; the solar system and the universe. Lesson assignments help students discover how scientists investigate the science of our planet. |

| Course Name  | Subject | Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| SCI06D Earth Science Skills Recovery                                                          | Science | The Earth Science curriculum builds on the natural curiosity of students. By connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe, the curriculum gives students an opportunity to relate to their everyday world. Students will explore topics such as the fundamentals of geology, oceanography, meteorology, and astronomy; Earth's minerals and rocks; Earth's interior; plate tectonics, earthquakes, volcanoes, and the movements of continents; geology and the fossil record; the oceans and the atmosphere; the solar system and the universe. Lesson assignments help students discover how scientists investigate the science of our planet. |
| SCI07DE3 Summit Life Science                                                                  | Science | The Life Science program invites students to investigate the world of living things—at levels both large and small—by reading, observing, and experimenting with aspects of life on Earth. Students explore an amazing variety of organisms, the complex workings of the cell and cell biology, the relationship between living things and their environments, and discoveries in the world of modern genetics. Students tackle such topics as ecology, microorganisms, animals, plants, cells, animals, species, adaptation, heredity, genetics, and the history of life on Earth. Lesson activities and assignments help students discover how scientists investigate the living world.                                                                                    |
| SCI07D Life Science Skills Recovery                                                           | Science | The Life Science program invites students to investigate the world of living things—at levels both large and small—by reading, observing, and experimenting with aspects of life on Earth. Students explore an amazing variety of organisms, the complex workings of the cell and cell biology, the relationship between living things and their environments, and discoveries in the world of modern genetics. Students tackle such topics as ecology, microorganisms, animals, plants, cells, animals, species, adaptation, heredity, genetics, and the history of life on Earth. Lesson activities and assignments help students discover how scientists investigate the living world.                                                                                    |
| SCI08DE4 Summit Physical Science                                                              | Science | The Physical Science program introduces students to many aspects of the physical world, focusing first on chemistry and then on physics. The course provides an overview of the physical world and gives students tools and concepts to think clearly about matter, atoms, molecules, chemical reactions, motion, force, momentum, work and machines, energy, waves, electricity, light, and other aspects of chemistry and physics. Among other subjects, students study the structure of atoms; the elements and the Periodic Table; chemical reactions; forces, including gravitational, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism.                                                                                |

| Course Name  | Subject                    | Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| SCI08D Physical Science Skills Recovery                                                       | Science                    | The Physical Science program introduces students to many aspects of the physical world, focusing first on chemistry and then on physics. The course provides an overview of the physical world and gives students tools and concepts to think clearly about matter, atoms, molecules, chemical reactions, motion, force, momentum, work and machines, energy, waves, electricity, light, and other aspects of chemistry and physics. Among other subjects, students study the structure of atoms; the elements and the Periodic Table; chemical reactions; forces, including gravitational, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SOC07 Summit Intermediate Civics and Economics                                                | History                    | In this course, students learn about the government and economic system of the United States and their roles in it. They begin their study with looking at colonial America and the importance of the documents, such as the Constitution, that the Founding Fathers wrote. Students then turn their attention to the structure of the U.S. government as they learn about the executive, legislative, and judicial branches. They study the role of elections, voting, and public opinion in the American political process, as well as the role that state and local governments play. They learn citizenship skills that will enable them to participate in their government and communities throughout their lives. Turning to economics, students study the free enterprise system that the American economy is based on and learn about how economic growth is measured, types of businesses, the process of developing the government budget, and the role the government takes in the U.S. economy. They also gain personal finance knowledge, such as the importance of budgeting, saving, and the responsible use of credit. Students examine the role that banks and international trade play in their lives. They also look at the different types of economies in the world, the interdependence of countries today, and the spread of democracy around the world. |
| SOC08 Summit Intermediate Global Studies                                                      | History                    | In this course, students take a detailed look at the physical and cultural world around them. Beginning with the study of geographic themes that provide a framework to analyze different parts of the world, students turn their focus to each geographical region of the world—North America; South America; Europe; Asia; Africa; and Oceania, Australia, New Zealand, and Antarctica. They learn more about the physical and cultural traits that makes each region unique and study their commonalities as well. Students also look at issues such as trade, globalization, the environment, conflict, and other topics that influence the world today. Students also learn and apply research skills as they undertake research projects that give them a more in-depth focus on specific regions of the globe.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| TCH005DE2 Middle School Photography                                                           | Career Readiness Education | Coming Soon!                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Course Name  | Subject                                             | Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| TCH006E2<br>Introduction to the Internet                                                      | Additional Electives,<br>Career Readiness Education | TCH006 Introduction to the Internet is a CodeHS introductory computer science course that teaches the basics of designing a web page, and how information is represented digitally and sent over the Internet. Students will create a personal portfolio website showing projects they build throughout the course. With a unique focus on creativity, problem solving and project based learning, Introduction to the Internet gives students the opportunity to explore several important topics of computing using their own ideas and creativity to develop an interest in computer science that will foster further endeavors in the field. 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. |
| TCH007E2 World of Computing                                                                   | Additional Electives,<br>Career Readiness Education | TCH007 World of Computing is a CodeHS introductory computer science course introducing the basics of programming with Karel the Dog, and the history and impact of computing. Students will learn to code using blocks to drag and drop, but they can switch between blocks and text as desired. With a unique focus on creativity, problem solving, and project based learning, World of Computing gives students the opportunity to explore several important topics of computing using their own ideas and creativity to develop and interest in computer science that will foster further endeavors in the field. 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.                            |
| TCH008E2 Web Design                                                                           | Additional Electives,<br>Career Readiness Education | TCH008 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. 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.                                                                                                                                                                                                 |
| TCH06 Digital Literacy IC3 Spark                                                              | Career Readiness Education                          | Coming Soon!                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TCH080<br>Introduction to Middle School Game Design 1                                         | Additional Electives,<br>Career Readiness Education | We love to play video games, but have you ever wanted to build your own? If you are interested in a career in technology but also want a creative outlet, Game Design might be the field for you. Learn how to build a game from the ground up in this interactive and hands-on course that will teach you all the ins and outs of making your own game.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Course Name  | Subject                                          | Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| TCH081 Middle School Game Design: Create a Game 2                                             | Additional Electives, Career Readiness Education | This course is a Project Based Learning course (PBL). Now that you have the basics of game design down, let's use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. The content of this course also applies to certification exams.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TCH08E2 Coding Fundamentals: Intro                                                            | Additional Electives, Career Readiness Education | This course is designed as an exploration of career pathways in Computing. In this course students explore basic concepts in the broad areas within the National Career Clusters® Framework, as well as career option. Students study the concepts of digital life, how coders write programs, programming languages, the development life cycle, security, and more. They also complete a Capstone Project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| WLGE2 MS Spanish I                                                                            | World Languages                                  | Middle School Spanish I has been carefully aligned to national standards as set forth by the American Council on the Teaching of Foreign Languages (ACTFL). Students in Middle School Spanish I focus 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, interactive activities that reinforce vocabulary and grammar, and frequent assessments during which their language progression can be monitored. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit with many opportunities for practice to allow students to master the vocabulary and grammar before moving to the next unit. In semester A, students explore greetings, school, adjectives, colors, continents, countries, and numbers. In semester B, students explore telling time; -ir, -er, and -ar verbs; and days, months, and seasons. |

| Course Name  | Subject         | Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| WLGE2 MS Spanish II                                                                           | World Languages | <p>Middle School Spanish II has been carefully aligned to national standards as set forth by the American Council on the Teaching of Foreign Languages (ACTFL). Students in Middle School Spanish II continue to focus 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, interactive activities that reinforce vocabulary and grammar, and frequent assessments during which their language progression can be monitored. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit with many opportunities for practice to allow students to master the vocabulary and grammar before moving to the next unit. In semester A, students explore hobbies and pastimes, food, and family. In semester B, students explore places, animals, shopping, and weather.</p> |