

Stride Learning Solutions

DIGITAL CURRICULUM

High School National Course Catalog 2022–2023



High School National Course List

CREDIT RECOVERY: ENGLISH

American Literature

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

British and World Literature

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

English 9

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 *The Alchemist*. Students also learn about the formal writing process as they write a literary analysis essay.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

English 10

This course is also offered as a materials free version (Digital). The English 10 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 10. Examples of works studied include "The Pit and the Pendulum," poems by Lord Byron and Ezra Pound, Nixon's resignation speech, and the memoir *Night*. Students also learn about the formal writing process as they write a literary analysis essay.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

High School National Course List

CREDIT RECOVERY: MATH

Algebra 1

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Algebra 2

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Geometry

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Integrated Math I

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation. Pre-Algebra (or equivalent)

Course Length: One-Two Semesters

High School National Course List

CREDIT RECOVERY: MATH

Integrated Math II

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. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: One-Two Semesters

Integrated Math III

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: One-Two Semesters

Pre-Algebra

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: One-Two Semesters

High School National Course List

CREDIT RECOVERY: SCIENCE

Biology

This course is also offered as a materials free version (Digital). Topics include the scientific method, characteristics of living things, energy, organic compounds, and water. Students review the structure and function of living things, the cell, genetics, DNA, RNA, and proteins. They review evolution and natural selection; digestive, respiratory, nervous, reproductive, and muscular systems; and ecology and the environment. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Chemistry

This course is also offered as a materials free version (Digital). This comprehensive course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct on-line instruction and laboratories. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Earth Science

This course is also offered as a materials free version (Digital). This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of in-depth online lessons, collaborative activities, virtual laboratories, and hands-on laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Physical Science

This course is also offered as a materials free version (Digital). Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning with laboratory investigations.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

High School National Course List

CREDIT RECOVERY: SCIENCE

Physics

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

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: One-Two Semesters

High School National Course List

CREDIT RECOVERY: HISTORY AND SOCIAL SCIENCES

Anthropology

Anthropologists research the characteristics and origins of the cultural, social, and physical development of humans and consider why some cultures change and others come to an end. In this course, students are introduced to the five main branches of anthropology: physical, cultural, linguistic, social, and archeological. Through instruction and their own investigation and analysis, students explore these topics, considering their relationship to other social sciences such as history, geography, sociology, economics, political science, and psychology. Emulating professional anthropologists, students apply their knowledge and observational skills to the real-life study of cultures in the United States and around the world. The content in this course meets or exceeds the standards of the National Council for the Social Studies (NCSS).

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One Semester

Geography

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Modern U.S. 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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Modern World Studies

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

High School National Course List

CREDIT RECOVERY: HISTORY AND SOCIAL SCIENCES

Psychology

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 terms of psychology 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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One Semester

U.S. and Global Economics

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One Semester

U.S. Government and Politics

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One Semester

U.S. 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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

High School National Course List

CREDIT RECOVERY: HISTORY AND SOCIAL SCIENCES

World 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 World History: Our Human Story, 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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: One-Two Semesters

High School National Course List

CREDIT RECOVERY: WORLD LANGUAGES

Spanish I

This course is also offered as a materials free version (Digital). Spanish I Credit Recovery course is a flexible online course designed for students who need to retake Spanish I, improve their skills, or earn the credits necessary to graduate on time. The course focuses on three key areas of foreign language study: listening, reading, and writing. Students learn vocabulary and grammar pertaining to a level I Spanish course. They acquire the concepts through reading and listening comprehension activities, association activities, and writing practice. Vocabulary and grammar are introduced in context and are practiced through a variety of interactive activities and exercises. Upon completion of the course, students will be able to use Spanish vocabulary and grammatical structures to talk about themselves and familiar topics.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: One Semester

High School National Course List

CREDIT RECOVERY: ELECTIVES

Art Appreciation

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One Semester

Fine 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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One-Two Semesters

Health

In this Health course, students develop the knowledge and skills they need to make healthy decisions that allow them to stay active, safe, and informed. The course presents the components of a healthy lifestyle and strategies for making healthy choices. Instructional material introduces students to the concepts of mental, emotional, social, consumer, and physical health. Students have opportunities to apply their value systems to decisions concerning their own health. They learn about the importance of good nutrition and how to help prevent many prevalent diseases. They also learn basic first aid and CPR skills and develop an awareness of the dangers of drug, alcohol, and tobacco use. Students develop communication skills in this one-semester course that allow them to demonstrate healthy choices with respect for self, family, and others.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One Semester

Personal Finance

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counsel- or recommendation.

Course Length: One Semester

High School National Course List

CREDIT RECOVERY: ELECTIVES

Physical Education

In this Physical Education Credit Recovery course, students develop an awareness of the fundamental components and principles of fitness. This course examines safety guidelines, proper technique, and exercise principles such as FITT: Frequency (how often you exercise), Intensity (how hard you work during exercise), Time (how long you exercise), and Type (what type of activity you do). Students learn about the five components of physical fitness: flexibility, cardiovascular health, muscular strength, muscular endurance, and body composition. They learn the health benefits of several different types of lifetime fitness activities, as well as the proper technique to safely participate in these pursuits. Students also assess their current stress levels and discover ways to effectively manage stress in their lives. This one-semester course equips students with strategies to help them begin, design, and maintain an exercise program to keep them fit for life.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: One Semester

High School National Course List

SKILLS RECOVERY

English Language Arts Skills Recovery I

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: Full Year

English Language Arts Skills Recovery II

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.

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: Full Year