

BRIDGES PREPARATORY SCHOOL



High School Course Guide 2021-2022

OUR MISSION: The Bridges Preparatory School (BPS) mission is to provide students equal access to a high quality K-12 whole child education that maximizes academic excellence and strength of character in a student-centered learning environment created by a faculty of lifelong learners.

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English

English 1

1 unit

Course Code: 302400CW

The English 1 course provides a foundational study of literary genres (novels, short stories, poetry, drama, and literary nonfiction) and informative/explanatory texts with a heavy emphasis on influential historical and literary works to include a focus on argumentative, informational and explanatory writing as previously noted. Opportunities for rich discussions and conversations are provided along with academic vocabulary and conventions of language.

English 1 H

1 unit

Course Code: 302400HW

Students taking English 1 Honors will accomplish all the tasks of those students in English 1 through reading and interpreting more challenging selections and creating more in-depth compositions and projects.

English 2

1 unit

Course Code: 302500CW

English II is the study of world literature, literary nonfiction, and foundational works including one or more plays. All high school courses should continue to include a focus on argumentative, informational and explanatory writing as previously noted. Opportunities for rich discussions and conversations. Academic vocabulary, as well as other opportunities are provided to explore the conventions of language.

English 2 H

1 unit

Course Code: 302500HW

Students taking English 2 Honors will accomplish all the tasks of those students in English II through reading and interpreting more challenging selections and creating more in-depth compositions and projects.

English 3

1 unit

Course Code: 302600CW

English 3 introduces global perspectives focusing on literary and informational texts from diverse cultures. This course provides a focus on argumentative, informational and explanatory writing. Opportunities for rich discussions and conversations are included. Academic vocabulary, as well as other opportunities to explore the conventions of language are provided.

English 3 H**1 unit****Course Code: 302600HW**

Students taking English 3 Honors will accomplish all the tasks of those students in English 3 through reading and interpreting more challenging selections and creating more in-depth compositions and projects.

English 4**1 unit****Course Code: 302700CW**

English 4 completes the global perspective initiated in English 3. This global perspective will include classic works with a heavy emphasis on written and oral communication and presentation skills. There is a focus on argumentative, informational and explanatory writing. Opportunities for rich discussions and conversations are included. Academic vocabulary, as well as other opportunities to explore the conventions of language are also provided.

English 4 H**1 unit****Course Code: 302700HW**

Students taking English 4 Honors will accomplish all the tasks of those students in English 4 through reading and interpreting more challenging selections and creating more in-depth compositions and projects. This course is to prepare students for college level English to include a focus on research skills and rhetorical analysis and literary analysis and analytical writing.

Mathematics

Foundations in Algebra***1 unit****Course Code: 411600CW**

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. It is built using the high school Algebra I standards (traditional pathway). In this course, concepts are taught within the context of technology and problem-solving, requiring students to use multiple representations to demonstrate mastery of concepts. Topics include linear equations and inequalities, functions, data analysis, exponents and quadratic functions. The Mathematical Practice Standards apply throughout this course and, together with the content standards, provide students with opportunities to make sense of problem situations. Students who complete both Foundations in Algebra and Intermediate Algebra will take the SC End of Course Examination for Algebra 1 (EOCEP).

***Semester 1 of year-long math course**

Intermediate Algebra***1 unit****Course Code: 411700CW****Prerequisite: Foundations in Algebra**

This course builds upon and extends the mathematics that students learned in the Foundations in Algebra course. It is built using the high school Algebra I and Algebra II standards (traditional pathway), found in Appendix A. The critical areas emphasized in this course deepen the understanding of linear, exponential, and quadratic relationships by contrasting them with each other. Students engage in methods for analyzing, solving, and using quadratic functions using technology and problem solving strategies. Students who complete both Foundations in Algebra and Intermediate Algebra will take the SC End of Course Examination for Algebra 1 (EOCEP), which determines 20% of their final grade in the Intermediate Algebra course. Students must not enroll in Foundations in Algebra (4116) prior to ninth grade. A school that offers Foundations in Algebra (4116) must subsequently offer Intermediate Algebra (4117). Students who successfully complete Foundations in Algebra (4116) must subsequently enroll in Intermediate Algebra (4117). Upon completion of this two-course sequence, students must take the state-mandated Algebra 1 End-of-Course assessment (Algebra 1 EOCEP) administered at the completion of the second course, Intermediate Algebra (4117). Students may not receive mathematics credits for both Foundations in Algebra (4116) and Algebra 1 (4114). Students who have a final average of D in Algebra 1 (4114) may subsequently enroll in Intermediate Algebra (4117). Students who complete Intermediate Algebra (4117) after Algebra 1 (4114) must retake the state-mandated Algebra 1 End-of-Course assessment (Algebra 1 EOCEP) administered at the completion of Intermediate Algebra (4117).

Semester 2 of year-long math course*Algebra 1 H****1 unit****Course Code: 411400HW****Prerequisites: Pre-Algebra or Grade 8 Mathematics**

This course is intended to challenge the highly motivated and capable student desiring an extensive study of mathematics. The course includes all topics taught in Algebra 1 as well as additional enrichment topics to deepen and extend students' understanding of mathematics and prepare them for future learning. The units of this course focus on topics that include linear and exponential relationships, analyzing, solving and using quadratic functions, polynomials, and factoring. The Mathematical Practice Standards apply throughout this course and, together with the content standards, enable students to experience mathematics as a coherent, useful subject that makes use of their ability to apply mathematics to real world problem situations and develop critical thinking skills. All students take the SC End-of-Course exam, which determines 20% of their final grade.

Geometry**1 unit****Course Code: 412200CW****Prerequisites: Algebra 1**

Geometry is the mathematical study of shapes, their properties and their relationships. Topics include two- and three dimensional geometric figures, coordinate geometry, transformations, measurement, similarity and congruence. The use of geometry software that supports a dynamic, interactive approach is essential to the instruction and assessment of geometry, especially in the exploration of multiple geometric relationships and the resulting analysis and proof. Students also develop an appreciation for the connections between geometry and other disciplines, such as art and architecture.

Geometry H**1 unit****Course Code: 412200HW****Prerequisite: Algebra 1 Honors**

In Geometry (Honors), students explore geometric structure using constructions, logical reasoning, interactive software, and conjectures. Other topics of study include two- and three-dimensional geometric figures, coordinate geometry, transformations, measurement, similarity and congruence. The use of geometry software that supports a dynamic, interactive approach is essential to the instruction and assessment of geometry, especially in the exploration of multiple geometric relationships and the resulting analysis and proof. This course is designed for students preparing for academic or technical college experiences and for others desiring a formal background in mathematics. Honors Geometry is intended for students who have successfully completed Algebra I Honors, and are committed to independent learning.

Algebra 2**1 unit****Course Code: 411500CW****Prerequisite: Geometry and/or Algebra 1**

Algebra II expands and strengthens the foundation skills established in Algebra I. Concepts included in this course include Equations and Inequalities, Algebraic, Exponential, Logarithmic, and Trigonometric Functions, Linear Algebra, Sequence and Series, and Statistical Analysis. The Mathematical Practice Standards apply throughout this course and, together with the content standards, enable students to experience mathematics as a coherent, useful subject that makes use of their ability to apply mathematics to real world problem situations and develop critical thinking skills.

Algebra 2 H**1 unit****Course Code: 411500HW****Prerequisite: Algebra 1 H and Geometry H**

Algebra II Honors is a rigorous approach to all Algebra II topics but with an accelerated pace and additional depth. The Mathematical Practice Standards apply throughout this course and, together with the content standards, enable students to experience mathematics as a coherent, useful subject that makes use of their ability to apply mathematics to real world problem situations and develop critical thinking skills. A sincere commitment to independent learning is required.

Pre-Calculus**1 unit****Course Code: 413100CW****Prerequisite: B or better in Algebra II**

This course is designed to prepare students for Calculus. The principle objectives are to provide students with understanding of Algebra and Trigonometry (with an emphasis on functions), and to show how Algebra and Trigonometry can be used to model real-life problems and phenomena. Balance is attained among the algebraic, numerical, graphical, and verbal methods of representing problems. Students must learn the value of each of these methods of representation and learn to choose the one most appropriate for solving the problem under consideration. Graphing calculators will be used extensively.

Calculus**1 unit****Course Code: 413500CW****Prerequisite: Pre-Calculus**

Calculus involves the continued study of functions, rate and accumulation. Content includes function, limits, derivatives, integration and application of these topics.

Discrete Mathematics**1 unit****Course Code: 414200CW****Prerequisite: Algebra II and Geometry**

This course is designed for students with varied backgrounds and abilities and whose plans do not require the most sophisticated mathematical skills. The aim of the course is to expose students to the broad aspects of mathematics and provide the skills needed to cope with the mathematical demands of our technological society while extending their study of functions, data analysis, logic, financial and business techniques, geometry and trigonometry.

Scholastic Aptitude Test (SAT) Preparation

1 unit

Course Code: 415000CW

This course is not required for graduation, but is recommended for any junior or senior who intends to apply to a four-year college. This course focuses on the concepts, skills and test-taking strategies that will optimize performance on the SAT/PSAT. Students will have the opportunity to learn to identify those areas of the examination where they can gain the most points. Practice exams offer realistic testing circumstances that will sharpen students' skills and help them get familiar with the types of test items on the SAT/PSAT. Students will be oriented to the use of software that can analyze their practice exam and identify skill challenges.

Science

Earth Science

1 unit

Course Code: 326500CW

Earth Science, designed to explore the earth and its place in the universe, emphasizes developing laboratory and process skills. Topics are drawn from the fields of geology, oceanography, meteorology, and astronomy. From these areas of study, students gain both an appreciation for the basic processes of science and an acquaintance with the current problems and ideas in the earth sciences. By the end of this course, students will gain a better understanding of the planet on which they live. Students graduating in 2017 and 2018 are required to successfully complete biology as a prerequisite. This course counts as a lab science.

Biology I

1 unit

Course Code: 322100CW

This course covers the major concept areas of biological science including: the cell, molecular basis of heredity, biological change, diversity in living systems, and environmental relationships. The student will gain insight into the fundamental unity in the diversity of life forms and the concept that all organisms, including themselves, carry out the same life functions. Note: Students enrolled in this course will take a comprehensive End of Course exam. This course counts as a lab science.

Biology I H

1 unit

Course Code: 322100HW

This is a comprehensive, college-preparatory course that explores advanced concepts such as molecular biology. The course includes a detailed study of cytology, genetics, and diversity of organisms. Emphasis will be placed on research, independent study, and the development of science projects. Note: Students enrolled in this course will take a comprehensive End of Course exam. This course counts as a lab science.

Chemistry I**1 unit****Course Code: 323100CW****Prerequisite: Biology and Algebra 1**

This is a comprehensive, college-preparatory laboratory science course designed to explore six core areas including atomic structure and nuclear processes; bonding and chemical formulas; states of matter, solutions, acids, and bases; chemical reactions; and thermochemistry and chemical kinetics. Students will engage in problem solving, decision making, critical thinking, and applied learning. This is a laboratory science course requiring a minimum of 30% hands-on investigation.

Chemistry I H**1 unit****Course Code: 323100HW****Prerequisite: Biology and Algebra 1, Geometry (Honors preferred)**

This is a comprehensive, college-preparatory laboratory science course designed to explore six core areas including atomic structure and nuclear processes; bonding and chemical formulas; states of matter, solutions, acids, and bases; chemical reactions; and thermochemistry and chemical kinetics. Students will engage in problem solving, decision making, critical thinking, and applied learning. Honors level students will explore advanced concepts above and beyond what is required by the state standards including but not limited to: calculating excess reactants, colligative properties, using hydronium and hydroxide concentrations to determine pH and pOH, alkenes and alkynes, additional laboratory techniques, net ionic equations, redox reactions. This is a laboratory science course requiring a minimum of 30% hands-on investigation. One half of a quality point (0.5) is added to the CP weighting for honors courses.

Physics**1 unit****Course Code: 324100CW****Prerequisite: Biology, Algebra II**

This course is designed for the college bound non-physical science major. Emphasis is placed on developing a conceptual understanding of physics concepts. Equations are used as a guide to thinking, rather than recipes for algebraic problem solving. This course is designed as an active, hands-on approach to physics, focusing on the applications of physics to daily life. This course may be taken prior or concurrently to chemistry, but chemistry is strongly encouraged for all students who want to attend college in South Carolina. It meets requirements for college admissions. Topics covered include mechanics, properties of matter, heat, electricity and magnetism, atomic physics, and nuclear physics. This course counts as a lab science.

Marine Science**1 unit****Course Code: 322500CW****Prerequisite: Biology, Chemistry**

This is a laboratory and field study course in which students are introduced to the diversity of marine organisms and environments. Students study geological and physical oceanography, review basic hydrology and chemistry, as well as previewing representative phyla. Extensive lab and field projects are emphasized within small groups. Individual reports required on environmental topics. This course meets requirements for graduation and college admissions.

This course counts as a lab science.

Forensic Science**1 unit****Course Code: 324500CW****Prerequisite: Biology, Chemistry**

This course, designed for students who have an interest in forensic science, exposes students to careers that are available in the legal field in addition to police officers and attorneys. The course emphasis is on the nature and analysis of physical evidence with a minimum of scientific terminology and equations. This course counts as a lab science.

Consumer Science**1 unit****Course Code: 580802CW**

A basic comprehensive instructional program designed to help prepare students for multiple roles as individuals and family members. Emphasis is placed on leadership, decision making, consumer skills, personal and family relationships, parenting, health, nutrition, housing design, basic sewing and cooking skills.

Astronomy**1 unit****Course Code: 325100CW**

The purpose of this course is to enable students to develop and apply knowledge of the universe and compare the conditions, properties, and motions of bodies in space. Emphasis shall be placed on concepts basic to Earth, including materials, processes, history, and the environment. This course introduces you to the composition and structure of the universe.

Astronomy is the scientific study of the contents of the entire Universe. This course will provide the student with a study of the universe and the conditions, properties, and motions of bodies in space.

Life Skills

1 unit

Course Code: 389907CW

Life Skills / Leadership class will be an exploratory experience whereby students will learn valuable skills that will be applicable to everyday life situations a student may encounter.

Students will be given the opportunity to express themselves in an environment where they are free to ask questions without fear of criticism or ridicule from others.

We will explore various topics which may range from Leadership, Professionalism, Teamwork Building, Study Skills and Habits - Different Types of Learners, Stress Techniques, Attitude, Empathy, Caring, Compassion, Enthusiasm, Proper Communication Processes, Develop Critical Thinking Skills and Problem Solving Techniques - Individual / Group Situations, Bullying Prevention, Substance Abuse / Prevention / Awareness, Proper Handwashing, Basic First Aid / Fire Safety, Nutrition, Proper Sleeping Habits, Exercise / Self Healthcare, Social Media - Do's / Don'ts / Dangers, Growth and Development, Interviewing Skills / Phone Etiquette, Volunteering - Why Do It, Financial Budgeting / Management, Car Safety - Seat Belts and No Feet on Dashboard Feet. We will even discuss ADL's - Activities of Daily Living as it relates to Cooking / Cleaning while caring for oneself.

Environmental Science

1 unit

Course Code:

Social Studies

Human Geography

1 unit

Course Code: 330700CW

This course allows students to cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. Students study Earth's human geography beginning with the use of maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate geographic information. Students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth. Conceptual in nature rather than place specific, this course is organized systematically around the topics of population and migration geography, economic geography, cultural geography, political geography, and urban geography. Students will also learn to employ spatial concepts and landscape analysis to examine human patterns and processes and their environmental consequences.

To encourage inquiry, Human Geography is constructed around the following four themes: Places and Regions, Environment and Resources, Human Systems, and Applied Geography.

Human Geography H**1 unit****Course Code: 337910CH**

This course allows students to cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. Students study Earth's human geography beginning with the use of maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate geographic information. Students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth. Conceptual in nature rather than place specific, this course is organized systematically around the topics of population and migration geography, economic geography, cultural geography, political geography, and urban geography. Students will also learn to employ spatial concepts and landscape analysis to examine human patterns and processes and their environmental consequences. To encourage inquiry, Human Geography is constructed around the following four themes: Places and Regions, Environment and Resources, Human Systems, and Applied Geography. Rigorous research-based assignments and papers are required to help prepare students for future Advanced Placement social studies courses.

World History**1 unit****Course Code: 336000CW**

World History is a general survey of the development of major cultural and political areas of the nations of the world through 1650. Geography strands are woven into the curriculum as students discover the role of place and environment in the shaping of human destiny. Research, map reading, and chart making skills allow students to draw connections among world cultures and understand the close relationship of literature and history.

World History H**1 unit****Course Code: 336000HW**

World History is a general survey of the development of major cultural and political areas of the nations of the world through 1650. Geography strands are woven into the curriculum as students discover the role of place and environment in the shaping of human destiny. Research, map reading, and chart making skills allow students to draw connections among world cultures and understand the close relationship of literature and history. This course is designed to have students analyze source materials and develop writing skills. Rigorous research based

assignments and papers are required to help prepare students for future Honors and Advanced Placement social studies courses.

US History & Constitution

1 unit

Course Code: 332000CW

This course gives the students a survey study of the people, events, and institutions that help form our nation. Emphasis is given June 29, 2017 Page 44 of 108 to the study of the Constitution of the US and its effects on the lives of Americans. This course will also give the student a practical study of the features and functions of economics and economic systems. Major emphasis is placed on the American System and its effect on people living in the United States from the colonial period up to the 21st Century. The students will also be prepared to take the state end of course exam, by closely following the state standards for US History.

US History & Constitution H

1 unit

Course Code: 332000HW

This course is a comprehensive look at the history of the United States from the age of exploration to the present. Emphasis is placed upon the revolutionary period, civil war and reconstruction era, gilded age, roaring twenties, depression, World War II, Cold War and the modern era into the 21st Century. The state standards for US History will be followed as the end of course exam will count for 20% of their final grade.

AP US. History

Course Code: 337200AW

Unit: 1 Unit

Prerequisites: Teacher recommendation and qualifying PSAT scores

AP US History is a rigorous yet exciting college level survey of the triumphs and travails of the American experience. Part one concentrates on America's colonial beginnings to the Civil War (1450-1865) while Part Two focuses on Reconstruction through the Reagan years (1877-1988). Students will be exposed to a variety of American voices from all backgrounds including Jefferson and Lincoln to more modern views from figures such as Eleanor Roosevelt and Martin Luther King Jr.

Note: Students enrolled in this course will take a comprehensive College Board exam in May.

US Government

.5 unit

Course Code: 333000CH

This course provides students the opportunity to acquire an understanding of American Government and political behavior. Content will include an analysis of documents which shape our political traditions; a comparison of the roles of the three branches of government at the

local, state, and national levels; an understanding of the evolving role of political parties and interest groups in determining government policy; how the rights and responsibilities of citizens in a democratic state have evolved and been interpreted; and the importance of civic participation in the democratic process.

Economics

.5 unit

Course Code: 335000CH

This course includes a study of the ways society uses its limited resources to satisfy unlimited wants. Emphasis is placed on basic economic problems, the market system and structures, the roles of labor, business and financial institutions, the roles of the consumer and producer, international trade and the history of economic thought. There is also a focus on financial literacy to emphasize appropriate personal financial decisions.

Psychology

Course Code: 334000CW

1 unit

Grade Level: 11th or 12th

This course defines the science of psychology and describes its history and covers basic psychological concepts, principles, and theorists. This course covers the basic psychological concepts and principles. It emphasizes behavior relationships and the process of adjustment. It includes human values as well as physical factors that influence our everyday decisions in school and the community. Emphasis is also placed on the understanding of human relationships and individual processes of learning, development, and adjustment.

Sociology

Course Code: 334500CW

1 unit

Grade Level: 10, 11, 12

This course is a survey of the field of sociology. The emphasis is on the dynamics of social behavior and the causation of social problems. This course includes an introduction to sociological research.

Title: Law Education

Course Code: 333600CW

1 Unit

An introduction to personal and practical law. It is designed to help students understand how the law works in their lives, how the law strives to promote fairness, and how it applies to individual rights.

Title: Criminal Justice

Course Code: 339901CW

Unit: 1 Unit

Students will explore the criminal justice system in the United States by examining real world situations that have either occurred in our country's past, or present as modern day examples of the criminal justice system in action. Topics include criminal law, functions and operations of the police, criminal court system, and punishments. Students examine course content through a textbook, mock trial(s), documentary videos, and real life depictions through television series.

Title: Youth in Government

Course Code: 339908CW

1 Unit

Grade Level: 10, 11, 12

This course is designed to introduce students to various governmental processes through debate techniques, emphasizing citizenship. The primary focus will be on development of speech and debate skills. Students will learn parliamentary procedures and current event issues through various simulations dealing with the legislative and judicial branches. The course will culminate with a state simulation at the YMCA Youth in Government conference and a cumulative in-class group project. It is strongly recommended that students who want to attend the Youth in Government conference participate in the course before attending. Note: Students are responsible for any fees associated with the Youth in Government conference. Fundraising opportunities will be available to students throughout the course. Scholarships may also be available for students in finance.

Title: Holocaust and Genocide Studies

Course Code: 339920CW

Unit: 1 Unit

Grade Level: 10,11,12

Holocaust Studies is a course designed for students to consider the possible reasons why, seemingly ordinary people, in the wrong set of circumstances do extraordinarily terrible things. What makes some individuals more prone to being perpetrators or bystanders, whilst others are upstanders? In addition, we will study more recent genocides including in Rwanda and Bosnia. We will also examine contemporary conflicts and look for parallels in the past, in the hope that we can make more informed, and moral decisions regarding how we treat and respond to our local, national, global citizens, and communities.

Title: Philosophy

Course Code:

Unit: 1 unit

Grade Level: 11th or 12th

A challenging elective course that examines the foundations of logic, ethics and epistemology in the classical tradition. Primary sources from the classical world, particularly Greece, constitute the main emphasis of reading and discussion along with significant works by modern authors. A high degree of competence and confidence in reading and writing is encouraged.

World Languages

Spanish 1

1 unit

Course Code: 365100CW

The primary objective of the course is the development of skills in listening, speaking, reading, and writing Spanish on a basic level within a limited vocabulary context. The course will also instill in students an awareness of cultural similarities and differences with respect to the United States vis-à-vis Latin America and Spain. Techniques of language study are emphasized so that skills learned may be applied to subsequent study of other foreign languages. Although aural-oral methods of instruction are emphasized, some traditional methods are utilized.

Spanish 2

1 unit

Course Code: 365200CW

Prerequisite: Spanish 1

Spanish 2 is an intermediate course recommended for seniors and other students who are completing their two-year minimum world language requirement for admission to college. The primary objective is the continuing development of listening, speaking, reading, and writing skills begun in Spanish 1. Increased emphasis is placed on reading and writing skills as students explore more complex use of the language. Composition skills are developed June 29, 2017 Page 51 of 108 to a limited degree. Growing emphasis is placed on the similarities and differences between Hispanic and North American cultural attitudes.

Spanish 3

1 unit

Course Code: 365300CW

Prerequisite: Spanish 2

Spanish III is a course recommended for students who have completed their two-year minimum world language requirement for admission to college or for those students who wish to continue their study of a world language. This course is designed to continue the development of language skills required for a low intermediate level of proficiency. Techniques of language study/learning are emphasized so that skills learned may be applied to ongoing study of the language. The primary objective is the continuing development and extension of listening, speaking, reading and writing skills begun in Spanish II. Increased emphasis will be placed on speaking, reading and writing skills and ongoing study of the culture of Spanish speaking countries.

Portuguese***1 unit****Course Code: 369714CW**

This course is designed for beginner students who want to learn the Portuguese language and culture. Topics covered will include: The Amazon Rainforest and its Environment, Brazilian History and Literature, Brazilian Cultural Studies through film, Culture and Civilization of Brazil, Portuguese and African Culture and Civilization, Brazil Today, Culinary Studies, and the History of Samba.

*This course does not meet a foreign language requirement for graduation.

Physical Education & Health

PE 1: Comprehensive Health and Beginning PE**1 unit****Course Code: 344100CW**

Students will explore all aspects of health education. They will learn about the importance of physical activity, good nutrition, mental and emotional health, healthy relationships, and reproductive health, birth control, and pregnancy prevention. Students will be introduced to a large Code of team sports, lifetime sports skills, and personal fitness. (Required for graduation.)

Visual and Performing Arts

Art 1-Studio**1 unit****Course Code: 350100CW**

This introductory course explores the principles and elements of art through design. Students learn foundational knowledge of 2-D and 3-D art forms, basic art concepts, terminology and techniques, tools and materials, cultural literacy and art history.

Art: Drawing 1**1 unit****Course Code: 352100CW****Prerequisites: Studio Art**

This introductory course provides students with problem-solving experiences in two and three-dimensional media, stressing design elements (line, shape, form, value, color, space, and texture), and design principles, (proportion, emphasis, harmony/unity, balance,

rhythm/movement, contrast repetition/ pattern, and variety). Emphasis is on the development of basic skills.

Art: Drawing 2

1 unit

Course Code: 352200CW

Prerequisites: Art Drawing 1

This course provides students with two and three-dimensional design experiences and opportunities to apply these principles in individual artistic expressions. Drawing from observation and developing technical competency are emphasized. Periodic class critiques and the maintenance of a sketchbook and portfolio are required. Topics covered include but are not limited to portraiture, graphics, advertising, and display techniques.

Art: Painting 1

1 unit

Course Code: 352500CW

Drawing and sketches will be required as students learn to use painting tools, materials, and techniques to transfer their drawings and ideas into paintings. Students will be expected to demonstrate proficient painting skills and complete project assignments in media that is not limited to watercolor, tempera, oil, acrylic, or ink. The history and appreciation of painting will also be explored.

Prerequisites: Studio Art

Art: Painting 2

1 unit

Course Code: 352600CW

Prerequisites: Art: Painting 1

Drawing and sketches will be required as students learn to use painting tools, materials, and techniques to transfer their drawings and ideas into paintings. Students will be expected to demonstrate proficient painting skills and complete project assignments in media that is not limited to watercolor, tempera, oil, acrylic, or ink. The history and appreciation of painting will also be explored.

Art: Ceramics 1

1 unit

Course Code: 456100CW

Prerequisites: Studio Art

This course is a study of ceramic art. Emphasis is on hand-building. Techniques explored may include but not be limited to hand-building techniques of pinch, coil, slab, and press-molding

with emphasis on imagery and design. Forms are approached from simple to complex and small to large. Students learn to mix clay and glaze, load, and fire kilns.

Chorus 1

1 unit

Course Code: 354100CW

This introductory course emphasizes techniques of singing through tone/vocal production, sight-singing, solfege, ensemble singing, rehearsal techniques and theory. Students in this performing group are expected to participate in concerts and any after-school rehearsals.

CATE

SC Career Cluster: Health Sciences

Pathway: Health Science (CIP CODE: 51000)

Grade Level: 11-12

Description: Planning, managing, and providing therapeutic services, diagnostic services, health informatics, and support & direct care services.

COURSE 1 Health Science 1*

COURSE 2 Health Science 2*

COURSE 3 Medical Terminology

COURSE 4 Work-based Learning

Industry Certification: National Health Assessment; Pharmacy Technician

Health Science 1

1 unit

Course Code: 555000CW

Health Science 1 focuses on therapeutic, diagnostic, health informatics, support services, and biotechnology research and development pathways of a health science cluster career. The course is designed to develop healthcare specific knowledge and skills, both academic and technical, necessary for transition to clinical or work-based experiences in healthcare.

Laboratory experience will offer students the opportunity to develop skills in infection control, vital signs, laboratory assisting, sterile techniques, patient assessment, CPR and First Aid. At the completion of this course the student will be eligible for cardiopulmonary resuscitation and first aid certification.

Health Science 2

1 unit

Course Code: 555100CW

Prerequisite: Health Science 1 Health

Science 2 focuses on advanced skills in the health field. Students have opportunities for clinical experience in health care facilities in the community. Laboratory experience will offer students the opportunity to develop skills in medical assisting and nursing. This course will focus on skills for careers in the fields of nursing and physical therapy. At the completion of this course the student may complete the National Healthcare Foundation Skills Assessment and submit a portfolio that highlights their health science program. The students should be able to provide their own transportation for the clinical and must have current immunization.

Medical Terminology

1 unit

Course Code: 554000CW

Medical Terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue post-secondary education in healthcare.

Health Science: Clinical Study (Nurse Aide) Honors

2 units

Course Code: 556000HD

Health Science Clinical Study is designed to give students clinical experience in preparation for the Nurse Aide credential. Students will have classroom time to review the necessary skills and qualities needed to complete rotating internships that will require travel to an approved clinical site. CPR and FA certifications can be renewed during this course if needed. Students should be certified in CPR and FA before being placed at a medical facility. Schools serving as a Certified Nurse Aide program will follow the rules and regulations governed by SCDHHS. This Clinical Study program is meant to be a flexible program that works with district adapted clinical programs and certifications. This course is limited to 10 students and must be taught by a certified nursing instructor.

SC Career Cluster: Health Sciences

Pathway: Sports Medicine (CIP CODE: 31505)

Grade Level: 11-12

Description: Evaluate and advise individuals to assist recovery from or avoid athletic-related injuries or illnesses, or maintain peak physical fitness. May provide first aid or emergency care.

COURSE 1 Sports Medicine 1

COURSE 2 Sports Medicine 2

COURSE 3 Medical Terminology

COURSE 4 WBL Internship (to be determined)

Industry Certification: OSHA Health Science Safety Certification

Sports Medicine 1**1 unit****Course Code: 555500CW**

Sports Medicine 1 emphasizes the prevention of athletic injuries, including the components of exercise science, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter will also include discussion of legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course.

Sports Medicine 2**1 unit****Course Code: 555600CW****Prerequisite: Sports Medicine 1**

Sports Medicine 2 emphasizes the assessment and rehabilitation of athletic injuries. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. In addition, the use of appropriate therapeutic modalities and exercise in the care and rehabilitation of injuries will be examined. Advanced concepts related to the administrative aspects of the sports medicine program will also be covered in this course.

Medical Terminology**1 unit****Course Code: 554000CW**

Medical Terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue post-secondary education in healthcare.

Information Technology**PLTW Computer Science Essentials (offered 2021-2022 school year)****1 unit****Course Code: 637200CW**

PLTW CSE introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students

sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text-based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language.

PLTW Computer Science Principles (offered 2021-2022 school year)

1 unit

Course Code: 609601CW

In computer science principles, students develop in-demand computer science skills critical to thrive in today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build student's awareness of the tremendous demand for computer scientists and those who have computational thinking skills as well as engage students to consider issues raised by the impact of computing on society.

PLTW Cybersecurity (offered 2022-2023 school year)

Teacher Cadet

Teacher Cadet

1 unit

Course Code: 339900CW

Grades 11-12

Prerequisite: Minimum GPA and teacher recommendation

Teacher Cadet is an innovative, curriculum-based college level course designed to attract talented young people to the education profession through a challenging introduction to teaching. The Teacher Cadet Program seeks to provide high school students insight into the nature of teaching, the problems of schooling, and the critical issues affecting the quality of education in America's schools.

This course is a study of the history, development, organization, and practices of preschool, elementary, and secondary education. It is partially funded through Education Improvement Act initiatives and operates under an agreement between the school site and the Center for Educator Recruitment, Retention, & Advancement (CERRA) located in Rock Hill, South Carolina.

Senior Project

1 unit

Course Code: 379904CW

Grade 12

The mission of the Bridges Preparatory School Senior Project is to empower all seniors, through a rigorous inquiry-based process to showcase their abilities and expertise as creative problem solvers, effective communicators, responsible citizens, and lifelong learners. This course is required of all seniors. Successful completion of this course is required to participate in the graduation ceremony.