



DCYF ALTERNATIVE EDUCATION PROGRAM

Course Catalog



EST. 2020-2021
STATE OF RHODE ISLAND
DEPARTMENT OF CHILDREN, YOUTH AND FAMILIES
DCYF ALTERNATIVE EDUCATION PROGRAM
EDUCATION DEPARTMENT
57 POWER ROAD
CRANSTON, R.I. 02920
(401)462-7253 FAX (401)462-7249

DR. HEATHER DOS SANTOS, PRINCIPAL/SPECIAL EDUCATION DIRECTOR

Introduction

This program of studies was written to provide students, parents, and schools with information regarding the courses offered at the DCYF Alternative Education Program.

Mission Statement

The mission of the DCYF Alternative Education Program, as a mandatory educational program within a juvenile correctional facility, is to educate all students with the skills, knowledge and values to succeed in school, work and community by providing a safe, consistent and secure learning environment which meets the individual, educational, and vocational needs of each resident while challenging all residents to fulfill their potential.

Principal's Statement

As Principal and Director of Special Education of the DCYF Alternative Education Program at the Rhode Island Training School, I am resolute in my commitment to the academic, social, and emotional learning of the youth who we serve. In our program, youth receive the individualized and personal learning experiences and supports needed; to continue their path towards attainment of their high school diploma, their GED, and or college and career readiness pursuits on the post-secondary level. As leader of the school, I possess an unwavering confidence in the potential of all our youth to make a positive contribution to greater society.

Our educational program allows youth to develop and refine their academic skills in a safe, secure, and supportive space as part of their preparation to be restored to their local communities. We seek to help each youth to explore their potential in creative, flexible, and innovative ways. Beyond core academic competencies, we seek to impart digital and transferable skills on all youth as part of our goal to equip youth with the critical thinking, problem solving and communication skills that they need to compete in the 21st Century as both leaders and learners!

Dr. Heather Dos Santos

Diplomas

As a temporary transitional education program and a limited LEA, we do not issue high school diplomas. High school diplomas are the responsibility of the student's LEA and or specific endorsed program upon completion of their high school requirements. LEA's, for purposes of preparing a youth to meet PBGR's while they are enrolled with us, are determined by the students last enrollment or through an official Every Student Succeeds Act (ESSA) Determination. Please note we do not compute class ranks.

Grade Reporting

Report cards are published four times a year and issued quarterly.

Progress reports are issued bi-quarterly at the midpoint of each quarter (5 weeks) to indicate danger of failing or other problems that may have an impact on a student's academic success, and to allow teachers the opportunity to make commendable comments on a student's academic progress.

Marking Period 2020-2021

Quarter 1: September 9th - November 10th

Quarter 2: November 11th - January 27th

Quarter 3: January 28th - April 7th

Quarter 4: April 8th - June 17th

Course Changes

Beginning in school year 2020-2021 we are no longer offering Integrated courses. If an Integrated course is listed on a student's transcript, please see our course catalog for a description of what content was covered.

Courses

ART

Course Title	Grade Level	Description	Credit
Digital Art	6-8, 9-12	Digital art is an artistic work or practice that uses digital technology as part of the creative or presentation process. It typically refers to any form of graphic art or digital imagery which is produced with the aid of a computer, or any types of art in which the role of the computer is emphasized. This course uses programs such as Google SketchUp to create graphic designs.	1
Visual Art	6-8, 9-12	This course covers correct use of all dry media; correct use and handling of the paint medium; working on varied surfaces; charcoal, scratchboard, crayon/oil pastel relief, collage, 3d sculpting, and print making. Students are required to explore many different subject areas, including portraits, still life, landscape, and design.	1

HEALTH & PHYSICAL EDUCATION

Course Title	Grade Level	Description	Credit
Health	6-8, 9-12	In this course, students will be introduced to various topics to help them to develop lifelong positive attitudes and behaviors. They will explore the importance of nutrition and making healthy decisions that allow them to stay active, safe, and informed. Students learn about the components of a healthy lifestyle and learn strategies for making healthy choices. Topics covered include personal and community health; mental, emotional, and social health; injury prevention and safety; nutrition and physical activity; alcohol, tobacco, and other drugs; growth, development, and sexual health.	½
Physical Education	6-8, 9-12	Physical Education provides students with a planned, sequential, standards-based program of instruction designed to develop motor skills, knowledge and behaviors for active living, physical fitness, sportsmanship, self-efficacy, and emotional intelligence. Students will practice the knowledge and skills they learn through physical activity and exercise. Utilizing well-designed tasks that allow for skill acquisition in an instructional climate focused on mastery, physical education addresses the three domains of learning: cognitive or mental skills, relating to the knowledge of movement; affective, which addresses growth in feelings or attitudes; and psychomotor, which relates to the manual or physical skills related to movement literacy.	½

LANGUAGE ARTS

Course Title	Grade Level	Description	Credit
English: Literature	6-8	This course explains elements of various forms of literature, including novels, short stories, poetry, drama, and non-fiction genres, including informational and biographical text. Students learn to apply close reading strategies and to analyze and apply writing techniques for narrative and expository writing.	1
English I	9	This course features lessons, projects, reading and writing activities that focus on building foundational literacy skills. English I offers an introduction to literary studies and continued skill development in grammar, punctuation, sentence structure, and vocabulary building. Students are measured through their mastery of communications using writing, visual presentations, and oral presentation skills. Using various fictional text sets, students will be exposed to and explore elements of fiction, including conflict, characterization, and universal themes. Students will be able to produce persuasive, argumentative, and expository writing samples.	1
English II	10	English II introduces students to both traditional and contemporary works from various cultures and backgrounds such areas as Asia, Latin America, Africa, and the Middle East. This course examines the relationship between cultures, literature, and historical events from different cultural perspectives around the globe. Students will gain cultural knowledge and understanding by analyzing the continually evolving relationships between cultures and regions and how these relationships coexist in the modern world.	1
English III	11	English III includes reading and analyzing selections of American literature for literary elements, devices, and structure; practicing narratives, exposition, persuasion and argumentative writing through extensive internet research, using various media outlets and formats. Students will continue their practice of mastering oral communication skills through oral, visual, and written work samples.	1
English IV	12	English IV Fourth year English incorporates lessons, projects, reading and writing activities that cover grammar, punctuation, vocabulary, and communication projects that build upon academic and workplace skills. This course focuses on British literature to further develop reading and writing skills, modes of reasoning, literary devices, forms and styles.	1

MATHEMATICS

Course Title	Grade Level	Description	Credit
Pre-Algebra	6-8	Pre-Algebra addresses concepts related to performing operations with integers and fractions, factoring, and simplifying expressions with exponents. This course shows how to solve multi-step equations and inequalities, and it presents concepts related to writing and solving proportions and percent problems. Students learn to recognize linear functions and their graphs, identify polygons and solids, solve for area and volume, and display data.	1
Algebra 1	9-12	Algebra I is designed to give students the skills needed to think algebraically. Content includes understanding the properties of numbers, modeling linear, quadratic, and exponential relationships, and graphing equations and inequalities. Students will become proficient with operations on monomial and polynomial expressions, solve linear equations, quadratic equations, inequalities, systems of equations, and data analysis.	1
Algebra 2	9-12	This course expands concepts students have previously worked on in Algebra I. Topics include solving equations, inequalities, and systems equations that contain radical expressions; rational exponents, and rational expressions; different functions including linear, quadratic, absolute value, and polynomial; probability and statistics.	1
Financial Math	9-12	Financial Math introduces students to the information needed to make the best decisions with money. In this advanced course, students learn the formulas used to determine account balances, monthly payments, total costs, and more. Incorporating real-world applications, they examine budgeting, spending, saving, investment, and retirement. Students explore mortgages and other debt structures, and how to make good decisions about borrowing money. This knowledge will propel students into the future with a good foundation on how to handle finances.	1
Geometry	9-12	In Geometry, students learn about geometric terms and processes, logic and problem solving, reasoning, developing proofs, and constructing figures. This course highlights reasoning and problem-solving skills gained through the study of areas, volumes, circles, coordinate geometry, and transformations. They explore the relationship between parallel and perpendicular lines and study quadrilaterals, right triangles, trigonometric ratios, transformations of plane figures, and the parts and properties of a circle.	1
Pre-calculus	9-12	Precalculus students will study polynomial functions, exponential and logarithmic functions, and rational functions. Topics include counting principles and probability, parametric curves, the polar coordinate system, and complex numbers in polar form. Students also will analyze vectors and conics, study systems of equations and matrices, and solve systems using matrices.	1
Trigonometry	9-12	Trigonometry is a complete course of the circular functions that covers not only essential trigonometry, but includes complex numbers, Euler's theorem and argand graphs.	1

SCIENCE

Course Title	Grade Level	Description	Credit
Life Science	6-8	This course invites students to investigate the world of living things by exploring all aspects of life of earth. Students are introduced to concepts such as the characteristics of all living things, classifying organisms, evolution, taxonomy, domains and kingdoms, theories on the origin of life, workings of cells, viruses, bacteria, fungi, and plants.	1
Physical Science	6-8	This course presents the scientific method, foundational science facts that will assist students in advanced chemistry and physics courses. Students are introduced to concepts such as chemical interactions, chemical building blocks, motion, force, and energy, electricity and magnetism, and sound and light.	1
Biology	9-12	Biology addresses key concepts and processes including cells, cellular respiration, photosynthesis, genetics, and DNA. Students will explore cell structure and cellular processes, theories of evolution, classification, ecology, and human anatomy. Students will understand organisms' interactions with each other and their physical environment, develop an understanding of how human activities affect natural resources, and analyze and interpret data.	1
Chemistry: Physical Science	9-12	Chemistry is a physical science that will provide students with an in-depth study of the chemical world including topics such as states of matter, atomic theory, organization of the periodic table, chemical reactions, stoichiometry, flow of energy, acid-base theories, electromagnetic cells, polymerization, and nuclear chemistry. Students who complete this course will develop an understanding of the interconnections among the sciences, technology, and the environment, and are expected to demonstrate proficiency in obtaining, evaluating, and communicating scientific information.	1
Earth Science	9-12	In this course, students are introduced to Earth and the intricate workings of our Earth's systems. Weather, formation and movement of soil, glaciers, deserts, and alluvial landscapes, plate tectonics, and geologic time are some of the ideas covered in this course. Additionally, students learn about science as a process further exploring concepts such as oceanography, climate, early astronomy, and the Solar System.	1
Environmental Science	9-12	This course presents relationships between organisms and how these relationships relate to the functioning of ecosystems and shows thematic connections between a variety of science disciplines including biology, chemistry, and physics. Students learn the key concepts and processes of nutrient cycling, biomes, pollution, energy resources, human population growth, and habitat destruction. The course also covers ways to promote biodiversity and create a sustainable future.	1
Physics: Physical Science	9-12	Physics is a physical science that explores concepts regarding kinematics, dynamics, and waves. Students will dive into concepts such as Newton's laws of motion, thermodynamics, electricity, magnetism, optics, and nuclear physics. Students will learn to reason abstractly and quantitatively, synthesize information from a range of sources, and choose and interpret units in formulas. Calculations require an understanding of trigonometry and algebra.	1

SOCIAL STUDIES

Course Title	Grade Level	Description	Credit
Civics	6-8	In this course, students will learn about American society and its values, the need for a government, as well as the influences for the U.S. Government. Additionally, they will discover what it means to be a citizen, the rights, duties, and responsibilities of citizenship, and the different roles a citizen plays in society and government.	1
Geography	6-8	In this course, students first learn about the concepts and foundations for studying the five themes of geography, including key tools such as globes and maps. As students move through the course, they learn about Earth's physical geography as well as Earth's human geography, which includes the study of populations, migrations, economic and political systems, and different cultures of the world. In addition, students learn about Earth's environment and how people affect the environment.	1
Government	9-12	This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines concepts and themes, from the principles of government to civil rights, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.	1
US History I	9-12	This course consists of lessons that begin with the American Revolution and ends with the start of the Progressive Era. Students will learn about important historical figures and significant events between 1776 and 1900. Students will gain an understanding of the political, economic, and social structures of the early years of the United States. They will also learn how and why the United States evolved during its first century of existence.	1
US History II	9-12	This course consists of lessons that begin with the Progressive Era and end with globalization and the twenty-first century. Students will learn about America's participation in the two world wars in the first half of the twentieth century. They will also learn about the boom in technology and globalization as well as continued conflict abroad at the turn of the twenty-first century.	1
World History	9-12	World History will trace developments from the Neolithic age to the present day. Exploring topics such as The Americas, Ancient Greece, Romans, the Renaissance, the Industrial Revolution, World War I and II, ending with Globalization and Trade today. Students will examine political, economic, social, religious, military, scientific, and cultural developments; develop a greater understanding of the evolution of global processes and contracts and how different human societies have interacted, as well as examine popular movements throughout the ages.	1

GED PREP

Course Title	Grade Level	Description	Credit
GED Language Arts	16+	This is a GED Preparatory course designed to prepare students to take the official Reasoning Through Language Arts GED test. This course takes students through effective reading strategies, characteristics of literature, writing and language skills, and the writing process. Students will be able to draw conclusions using supporting details, use reading and study strategies, identify and describe various literary elements, analyze a text to identify audience and purpose, analyze persuasion, word connotation, and content, rely on context, including connotation and denotation, determine meaning of words and phrases, identify the four functions of sentences and the four types of sentence structure, and the process of writing and presenting research papers.	1
GED Mathematics	16+	This is a GED Preparatory course designed to prepare students to take the official Mathematical Reasoning GED test. This course consists of lessons that take students through basic arithmetic, data analysis, algebra, and geometry. This course focuses on Quantitative Problem Solving and Algebraic Problem Solving. Students will learn to use properties of rational and irrational numbers, reason quantitatively and use units to solve problems, perform arithmetic operations with complex numbers, and use complex numbers in polynomial identities and equations.	1
GED Science	16+	This is a GED Preparatory course designed to prepare students to take the official Science GED test. This course is comprised of three branches of science: Life Science, Physical Science, and Earth and Space Science. Students learn about cellular structure and function, genetics, and ecology; matter, energy and chemical reactions, and laws of motion; Earth's energy resources, climate, and the solar system. Students will be defining terms, analyzing and interpreting data, applying scientific information and engaging in practices to build, deepen, and apply their knowledge of core ideas.	1
GED Social Studies	16+	This is a GED Preparatory course designed to prepare students to take the official Social Studies GED test. This course focuses on four content areas: US History, Civics and Government, Economics, and Geography. In addition to learning specific subject matter, students will learn to compare and contrast different forms of government, determine central ideas and draw conclusions from various sources, analyze relationships between materials, and interpret data.	1

DISCONTINUED COURSES

***Prior to our shift in content course specific destinations for individual youth; regardless of the length of their enrollment, students were assigned Integrated Courses as basic introduction to a blend of course content.**

Course Title	Grade Level	Description	Credit
Integrated English	9-12	Students in this class will work to develop their reading, writing, speaking, and interpersonal skills. Students will expand their vocabulary, refine their reading ability, and engage in formal and informal discussions. Cooperative learning (group work) is an important part of this class and will help develop a student's leadership skills in addition to improving collaboration techniques. A wide variety of texts will be used to expose students to different types of literature. Students will practice good writing techniques by using a variety of skills.	1
Integrated Math	9-12	In Integrated Math, students solved equations, inequalities, and systems equations graphically and algebraically. They also identified linear, quadratic, and exponential functions. Additionally, they summarized, represented, and interpreted data. Students learned about transformations and making geometric constructions. Finally, they studied quadrilaterals, similar polygons, right triangles, trigonometric ratios, and the parts and properties of a circle.	1
Integrated Science	9-12	Integrated Science was an entry-level course that covered the basic concepts found in Biology, Chemistry, and Physics. Topics included in this course are plant and animal cells; matter and energy; atoms and molecules. Students learned to analyze problems and solutions while integrating each area of science into real-world situations.	1
Integrated Social Studies	9-12	Integrated Social Studies exposed students to the basics of geography, ancient history and current events. Students will understand and explore various social aspects of the world around them to make informed decisions and become productive citizens. Students will be able to describe the world's geographical features and evaluate how geography affects human developments, analyze the way governments have formed and interacted with citizens, and compare the world we live in today with the various eras of governmental and economic change.	1

ELECTIVES

Course Title	Grade Level	Description	Credit
Advanced Algebra with Financial Applications	9-12	This course walks students through the information needed to make the best decisions with money. Advanced Algebra is an advanced course incorporating real-world applications, collaboration, and calculations using technology. Students learn the formulas used to determine account balances, monthly payments, total costs, and more. They examine budgeting, spending, saving, investment, and retirement. Students explore mortgages and other debt structures and how to make good decisions about borrowing money. This knowledge will propel students into the future with a good foundation on how to handle finances.	½
American History	6-8	Students of this course learn about the roots of the American people, how Europeans established their rule in America, and tensions and conflicts between the North and South over slavery and how they ultimately lead to the Civil War. They also learn about the American involvement in the Vietnam War, how the war divided the nation, and how the end of Cold War created a new world of democracy and peace.	½
Anatomy and Physiology	9-12	In this course, students will learn about anatomical structures and physiology of the human body. Body systems are discussed in terms of how each participates in homeostasis of the body. Students learn about selected major pathologies, including causes, symptoms, diagnostic procedures, and treatments, as well as common changes that occur through the life span.	½
Anthropology	9-12	The aim of anthropology is to use a broad approach to gain an understanding of our past, present, future and address the problems humans face in biological, social, and cultural life. This course will explore the evolution, similarity, and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the world will also be presented in the course.	½
Astronomy	9-12	This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.	½
Biotechnology	9-12	In this course, students will explore the history of biotechnology, including early attempts at food preservation, the development of antibiotics, and changes to food crops around the world. They will also learn more about some of the challenges of biotechnology, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). Finally, students will research new biotechnologies and how they are changing the world we live in.	½

Business Math	9-12	This course will explore topics such as business statistics, profit calculations, payroll, banking, interest calculations, insurance, taxes, and other business topics. Students will analyze business problems and financial statements using percentages and statistical concepts, explain various payroll issues that affect employers and employees, apply mathematical concepts to business lending transactions, and apply various depreciation methods	½
Concepts of Engineering and Technology	9-12	In Concepts of Engineering and Technology, students will learn more about engineering and technology careers and what skills and knowledge they will need to succeed in these fields. Students will explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help students understand the emerging issues in this exciting career field.	½
Consumer Math	9-12	In this course, students will learn that money is lost or gained depending upon the information a consumer has to help her/him make informed decisions. By the end of this course, the student will understand the history of money, define fixed costs and discretionary spending, understand the importance of savings, and recognize the dangers of debt. This course will ask the student to look at financial choices including spending patterns, purchasing motivations, and how to make difficult decisions. Student will be able to differentiate between secured and unsecured debt, learn how to create a budget, examine a credit report, and discover the best way to increase income and decrease expenses.	½
Creative Writing	9-12	Creative writing allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. This course provides students with a solid grounding in the writing process, from finding inspiration, to building a basic story, to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing.	½
Criminal Investigation	9-12	In this course, the student will examine the process of identifying and arresting criminal suspects, types of crimes and offenses, and preparing for court. The student will study the history of criminal investigation and explore the relationship between investigation and the courtroom process by examining case studies.	½
Criminology	9-12	In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system.	½

Critical Thinking and Study Skills	9-12	Critical thinking and study skills are the tools needed to enhance performance in almost any venture. Students will follow our road map for developing learning strategies and skills in problem solving, critical thinking, and test taking that lead to winning performance on assessments. In this course, students will acquire new essential learning strategies through practicing thinking strategies, learning test-taking strategies, building verbal competence, and sharpening mathematics reasoning.	½
Culinary Arts: Food and Nutrition	6-8, 9-12	Through hands-on activities and in-depth study of the culinary arts field students will learn about the history and development of the food service industry, the basics of nutrition and different dietary needs, and laws and regulations governing food service. This course assists students in understanding the role of nutrition in health and wellness. Students will also develop fundamental culinary arts skills, including how to read and follow recipes, understand weight and measurements used in the food service industry, and how to be safe and sanitary in the kitchen.	½
Developmental Writing	9-12	Throughout this course, students will explore the fundamental tools and techniques needed to write clear sentences, effective paragraphs, and well-organized essays for general education courses and employment settings. Students will learn to organize, clarify, and communicate written ideas, as well as how to use correct sentence structure, grammar, and parts of speech in written communication. They will also develop skills in revising and editing to clarify voice, tone, style, and mode.	½
Digital Photography I	9-12	In the digital photography course, students will learn creative photographic skills and processes. Students will build a portfolio of work and explore the fields of photography and graphic arts. (Digital Photography 1A and 1B)	½
Digital Photography II	9-12	In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs in order to better understand what creates an eye-catching photograph. (Digital Photography 2A and 2B)	½
Digital Photography: 1A	9-12	Have you ever wondered how professional photographers manage to take such great pictures? Have you tried to take photographs and wondered why they didn't seem to capture that moment that you saw with your eyes? Digital Photography 1a: Introduction will answer these questions and more, and help students gain a better understanding of photography. Students will learn the basics of photography and camera functions, including aperture, shutter speed, natural vs. artificial lighting, and elements of composition. They will also explore how an image is created as well as study the history of photography and advances in camera technology over the last several centuries.	½

Digital Photography: 1B	9-12	In Digital Photography 1b: Creating Images with Impact, students will learn the skills and techniques used by professional photographers to improve their photo taking skills of a wide array of subjects. Building on the composition techniques and camera functions learned in Digital Photography 1a, students will build a portfolio of a variety of images and learn the special techniques that will help them shoot quality portraits, action shots, and landscapes. Students will also explore sports, pet, and wildlife photography and discover various career paths in the field.	½
Digital Photography: 2A	9-12	In this course, students will refine their creativity and talent by immersing themselves in the principles and techniques of digital photography. They will explore photography as a career and the required steps to become a professional photographer while also learning about well-known photographers and how they have influenced the field. In addition, students will examine photo-imaging software and study the rights, licenses, and copyright laws that photographers follow.	½
Digital Photography: 2B	9-12	Building on the prior prerequisite course, students will dive deeper into the field of digital photography. They will explore the history of photographic film and how to develop it as well as safety and procedures for using the darkroom. Product, stock, and micro stock photography are examined as well as photojournalism and wedding photography, giving students a comprehensive introduction to digital photography as a career.	½
Fashion & Interior Design	9-12	In this course, students will explore what it is like to work in the industry by exploring career possibilities and the background that they need to pursue them. Students get ready to try their hand at designing as they learn the basics of color and design then test their skills through hands-on projects. In addition, students will develop the essential communication skills that build success in any business. By the end of the course, students will be well on their way to developing the portfolio they need to get their stylishly clad foot in the door of this exciting field.	½
Forensic Science I	9-12	The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.	½

Forensic Science II	9-12	This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.	½
Game Design	9-12	This course will tap into students' creative and technical skills as they learn about the many aspects involved with designing video games. Students will learn about different video game software and hardware; various gaming platforms; the technical skills necessary to design games; troubleshooting and internet safety techniques; the history of gaming; and they will even have the opportunity to create their very own plan for a 2D video game. With the knowledge and skills they will gain in this course, students can take their hobby and turn it into a potential career.	½
Game Design 1A: Introduction	9-12	This course will tap into students' creative and technical skills as they learn about the many aspects involved with designing video games. Students will learn about video game software and hardware, various gaming platforms, necessary technical skills, troubleshooting and internet safety techniques, and even the history of gaming; culminating with the opportunity to create their very own plan for a 2D video game.	½
Game Design 1B: Building a Game	9-12	Students of Game Design 1b: Building a Game, will explore the skills needed to conceptualize, design, and fully create their very own video game. Students explore various video game software and hardware, sharpen their coding skills, learn about game storylines, player progression, and algorithmic decision making. Students will learn to analyze player goals, actions, rewards, and challenges, among many other game play components. Utilizing the 21st century skills of creativity, critical thinking, communication, collaboration, and technical expertise, students of this course are putting themselves at the forefront of a future in technology!	½
Geography A	9-12	This course address key concepts of physical and human geography. Students will be able to identify and discuss the importance of the five themes of geography, learn the basic components of a map, identify global themes, and make global connections. It presents information about the United States, Canada, Latin America, and Western Europe.	½
Geography B	9-12	This course address key concepts of physical and human geography. Students will be able to identify and discuss the importance of the five themes of geography, learn the basic components of a map, identify global themes, and make global connections. It presents information about Central Europe, Northern Eurasia, Central and Southwest Asia, Africa, South Asia, East Asia, the Pacific world, and Antarctica.	½

Great Minds in Science	9-12	Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals and shows how their ideas may help to shape tomorrow's world.	½
Human Geography	9-12	In this course, students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments.	½
Introduction to Agriscience	9-12	In this course, students will learn more about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students will also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.	½
Introduction to Business	9-12	In this course, students will explore business in global society, learning terminology, concepts, systems, strategies, and current issues. Topics include the business environment, ethics, entrepreneurship and global business, management, marketing, production, information systems, and financial elements.	½
Introduction to Criminal Justice	9-12	In this course, students will explore law enforcement, the courts, and the correctional system. Students will study what crime is, how crime is measured, and theories of crime causation. Students will also examine issues and challenges within the criminal justice system and its future directions.	½
Introduction to Finance	9-12	In this course, the student will gain an understanding of financial management, including key language and terminology, time-value of money, financial markets and securities, risk and return, valuation of stocks and bonds, capital budgeting and valuation, dividend policy, and international finance. The student will apply financial tools and understand how they impact financial decision making.	½
Introduction to Psychology	9-12	In this course, the student will gain an understanding of human behavior, including biological foundations and the brain, sensation, motivation, and perception. The relationship between learning and memory; various personality theories; emotions; states of consciousness; cognition; life-span development; and applied psychology will be explored.	½
Introduction to Sociology	9-12	In this course, students will learn about sociological processes that underlie everyday life. The course focuses on globalization, cultural diversity, critical thinking, new technology, and the growing influence of mass media.	½

Introductory Astronomy	9-12	In this course, the student will explore a broad range of astronomy topics, including the planetary system, stars, galaxies, and the universe. The student will also apply the scientific method and examine the evolution of scientific ideas.	½
Java Programming	9-12	This is a course in computer programming using Java. Topics include programming fundamentals, basic problem solving, variables and assignments, math, conditionals, control flow, methods and functional abstraction, objects and data abstraction, inheritance and polymorphism, exception handling, graphical user interfaces, and external libraries.	½
Leadership and Supervision in Business	9-12	In this course, students are introduced to core functions related to leadership and supervision. The student will examine the supervisory role and the skills required to act in the capacity of supervisor. The student will also gain insight into contemporary issues related to supervising in today's work environment.	½
Life Management Skills	9-12	Students of this course will learn to use important tools for communicating feelings and opinions and build a foundation for becoming a savvy consumer in a world of advertising and credit cards. Being equipped with correct information will empower students to manage real issues, like quality nutrition, substance abuse, coping with stress, and sexual abstinence.	½
Life Skills 1A: Intro	9-12	This course helps students learn more about themselves and be equipped with the tools to prepare for the future! They will identify their learning style and learn valuable organization and time management skills. Furthermore, students will explore the importance of building self-esteem and strategies for dealing with stress. Decision-making, problem-solving, and leadership skills are also discussed, making this a valuable course for academic, professional, and future success!	½
Life Skills 1B: Navigating Adulthood	9-12	Building upon the prerequisite course, Life Skills 1B: Navigating Adulthood focuses on financial planning and management, and the importance of nutrition. Students will develop critical thinking skills, learn how to create and execute goals, explore the principles of effective teamwork and collaboration, as well as examine the importance of wellness strategies for self-care.	½
Marine Science: Introduction	9-12	Marine Science: Introduction will explore the development of oceans and the role water plays in shaping our environment and climate. Students will learn about the oceanic and freshwater processes, changes in ecosystems, and the connection between water and weather. They will also learn about energy in the ocean, including the principles of fluid dynamics, and the measurable properties of waves. Using scientific inquiry, research, measurement, and problem solving, students will conduct various scientific procedures that will lead to increased knowledge about Marine Science.	½

Marine Science: Secrets of the Blue	9-12	Building on the prior prerequisite course, this course will further explore the aquatic cycles, structures, and processes that generate and sustain life in the sea. Students will learn about the importance of adaptation for survival, the role of natural selection in evolution, and how humans interact with the environment. Additionally, students will be introduced to the scientific and ethical questions that arise during advanced experiments and discover the exciting career opportunities that exist in the world of marine science.	½
Music Appreciation	9-12	Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.	½
Mythology & Folklore	9-12	Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore and see how they are still used to shape society today.	½
Personal & Family Finance	9-12	This course introduces students to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students will learn more about topics such as taxation, financial institutions, credit, and money management. The course also addresses how occupations and educational choices can influence personal financial planning, and how individuals can protect themselves from identity theft.	½
Personal Psychology	9-12	Self-knowledge is the key to self-improvement! Psychology is a subject that can be applied to everyday life. New research and ideas will change the way we view ourselves and each other. This course offers exciting online psychology experiments about our own behavior and how we behave with other people. Students of this course will be able to explain the importance of studying psychology, distinguish between correlation and cause and effect, explore the different approaches and contributions of key pioneers in the field, research designs used by psychologists include experimental studies, naturalistic studies, surveys, and case studies, learn how heredity and the environment influence development, and more.	½

Psychology	9-12	In this course students will learn more about themselves and others including how to break a habit and how to cope with stress. The purpose of this course is to introduce students to the psychological facts, principles, and phenomena associated with each of the subfields within psychology.	½
Public Speaking	9-12	This course provides the student with a basic understanding of public speaking and how to prepare and present a variety of speeches. Students learn strategies to effectively communicate, to adapt to different audiences, and to practice organizational methods to create engaging speech content. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.	½
Real World Parenting	9-12	The process of parenting is more than just having a child and making sure they eat, sleep, and get to school on time. Throughout this course, students will learn what to prepare for, what to expect, and what vital steps a parent can take to create the best environment and life for their child. Parenting roles and responsibilities; nurturing and protective environments for children; positive parenting strategies and effective communication in parent/child relationships are some of the topics covered in this course.	½
Sociology	9-12	In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course.	½
The Lord of the Rings	9-12	The Lord of the Rings is one of the most popular stories in the modern world. In this course, students will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. Students will explore fantasy literature as a genre and critique the three Lord of the Rings films.	½
Theater; Cinema; & Film Production	9-12	Lights! Camera! Action! This course will introduce students to the basics of film and theater productions. Students will learn about the basics of lighting, sound, wardrobe, and camerawork for both film and theater settings. The course also explores the history of film and theater and the influence that they have had on society. Students will analyze and critique three influential American films, Casablanca, Singin' in the Rain, and The Wizard of Oz.	½
Urban Gardening	6-8, 9-12	This course addresses the importance and significant value of gardening in an urban setting. Through hands-on lessons students are invited to explore sustainable garden science, botany and plant growth, plant materials, food security, landscape design and maintenance, farm animal care, and careers related to gardening.	½

Veterinary Science	9-12	Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.	½
World Studies: The Ancient World	6-8	In this course, students learn about the relationship between geography and history. They begin by learning about the early civilizations of the Fertile Crescent. As they move through the course, students learn about the history, cultures, and governance in ancient Egypt and Nubia, ancient India, ancient China, ancient Greece, and ancient Rome.	½

EXPLORATORY COURSES

Exploratory courses offer students personal development and intellectual growth opportunities. Students who take part in these courses will be exposed to higher learning opportunities and/or gain knowledge about areas of interest. These are non-credit bearing courses

Course Title	Grade Level	Description
Introduction to Cosmetology 1A	9-12	Students will study the growth of the cosmetology industry and learn about career opportunities while examining skills and characteristics that make up a good cosmetologist. Health and safety procedures, basic human anatomy, and ethical and legal conduct are analyzed along with chemistry as it applies to skin, hair, and nail treatments. This course will provide students with valuable foundation knowledge to begin their journey as a cosmetologist.
Introduction to Cosmetology 1B	9-12	In this course, trends and advances will be examined through studying various skin disorders, infection control measures, paraffin treatments, nail sculpting, and the basics of manicures and pedicures. Additionally, students will explore specific nail care techniques by applying and maintaining nail tips, acrylic, gel, and nail wraps.
Introduction to Nursing	9-12	In this course students will discover the different nursing specialties they can go into and explore the basics of anatomy and physiology while building team work, active listening and communication skills. In addition, students will learn about the healthcare system, the differences between private and public hospitals, and the ethics, laws, and regulations as they apply to nursing.