



Lakewood Ranch Prep Academy

Middle School Course Catalog

Strong Minds, Good Hearts

Our Mission



Lakewood Ranch Preparatory Academy is committed to creating a reflective learning environment which empowers all students as innovative thinkers, engaged learners, and responsible leaders who aspire to the values of inquiry, innovation, and impact!

Leadership Lives Here!



LWRP Vision

Welcome to Lakewood Ranch Preparatory Academy! We are a family committed to leaving a legacy of leadership through Inquiry, Innovation, and Impact! Inquiry means our school is not a place where students come to answer old questions and learn what's already known.



Individualized Instruction

Our passionately curious scholars boldly ask new questions and collaborate to create new solutions... and more compelling questions. Innovation will be reflected in the unique methodologies and environments built by our learning experience designers. From Project-Based Learning to Genius Hours, personalized learning will come alive at LWR Prep.

Innovative Pathways

As a WISH Model School, we focus on educating the whole child through the ideas of Wellness, Innovation, Science, and Health. Our school-wide mission is to create a positive impact on our community, state, and the world. We are a leadership school that believes every person has genius in them, and we will empower them to make the world a better place. Come see why everyone at LWR Prep proudly says, "Leadership Lives Here!"



Middle School TEAMS

Lakewood Ranch Preparatory Academy practices the middle school philosophy of teaming. Students and teachers benefit from a team approach to teaching and learning, according to the Association of Middle Level Education. The benefits are organizational structures foster purposeful learning and meaningful relationships, educators use multiple learning and teaching approaches, curriculum is challenging, exploratory, integrative, and relevant; and ongoing professional development reflects best educational practices.



Learner Centric

We value relationships, are learner-centered, and empower students to reach their full potential. We are committed to embracing the spirit of adolescence in an environment where the intellectual, emotional, social, and physical needs are very different from either high school or elementary students

Nurturing the Whole Child

In a community where respect for self and others is highly valued, each student is empowered to take responsibility for making good personal and academic choices. As our students embark upon a search for identity, we strive to personalize learning and nurture the whole child, and we employ the middle school model to accomplish this.



Welcome to the Course Catalog

Our Staff

Our school is made up of dedicated teachers who all share the same students per grade level. Each grade-level team consists of an English, math, science, and social studies teacher who are all highly qualified in their specific content area. This approach has many advantages, including the opportunity for interdisciplinary unit planning, allowing our teachers to meet the needs of the whole child by collaborating weekly during a common planning period. It is during this time that teachers can share observations of styles of learning, student academic performance data, and students' behavioral data, to give the entire team a clearer picture of our learners.

The Educational Experience

Teachers plan units of instruction, share strategies, and brainstorm ways in which they can better help each student achieve success. This time also affords teachers the opportunity to discuss each child's strengths, weaknesses, behaviors, and academic and social needs. It allows us to communicate and meet with our parents as a whole team. This allows parents to learn about their child's strengths and areas of need and together we work to benefit the child. Because of our middle school model, the school's specialists can meet with each team as well. This includes guidance counselors, instructional coaches, school psychologists, and our speech and language pathologist. Our approach benefits the entire learning community, thus creating a more comprehensive and positive educational experience for our students.

Exploration and Growth

The middle years are also a time of exploration outside of our core subjects. LWR Prep's outstanding electives teachers offer a rich variety of courses, including Art, Band, Choir, Exploring STEM, Extended Learning, Physical Education, Law, and Spanish. These classes are opportunities for our students to enrich their lives by exploring their own talents and learning skills not traditionally taught in core classes. As part of our school culture, we continuously encourage our students to investigate their own likes and interests, and this often requires a middle school to initiate this process.

Our strength as a school is in our team approach. Teachers and students work in conjunction with parents and specialists to help each child grow to their full potential.

Pathways to Success



Promotion Requirements

To be promoted to high school, a student must meet specific academic requirements set forth by the State of Florida. Occasionally, requirements are revised due to new end-of-course assessments, accelerated course requirements, and state mandates.

To be promoted to high school, middle school students must earn the following credits in core courses:

- Three credits in English/Language Arts
- Three credits in Mathematics
- Three credits in Science
- Three credits in Social Sciences, to include Civics and the corresponding End of Course Exam

High School Courses While in Middle School

Students can complete high school credits while in middle school. These are rigorous Cambridge courses that generate a high school transcript that will follow the student through high school graduation.

School and teacher recommendations will be made to allow students to make the soundest educational decision for them.

Physical Education

All students in middle school must take a semester of physical education yearly unless there is a physical education waiver on file. The waiver must be completed annually.





Core Academic Classes: English

M/J LANGUAGE ARTS 1 ADVANCED (1001020) GRADE LEVEL: 6 CREDIT: 1.0.

This course is to provide grade 6 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. Sixth grade ELA begins with basic reading and writing skills to use throughout the year. Students create a Reading/Writing Notebook to help track increased skills and understanding. Throughout the year, students will explore higher level reading and writing units. They will focus on finding and using evidence from text to write a credible argument, a cause-and-effect essay, and a literary essay. To increase reading skills, students will learn to summarize informational text with a focus on analyzing how text structure and text features help organize and communicate information. In narrative text, there will be an increased focus on analyzing the elements of plot and characterization using model text in conjunction with students' independent reading.

M/J LANGUAGE ARTS 2 ADVANCED (1001050) GRADE LEVEL: 7 CREDIT: 1.0.

This course is to provide grade 7 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. Seventh grade English language arts will cover all aspects: reading, writing, grammar, and listening. The seventh grade language arts program is designed to familiarize students with various forms of writing: argument, informational, literary, and proposal. Students will become more proficient writers, as we help them become more comfortable with the different processes for each type of writing. Interspersed within the framework for the different forms of writing, are embedded the language standards set forth in the Common Core for 7th grade. The program also places emphasis on helping students learn to read critically and to find deeper meanings. Students will be guided through the subtleties of reading and writing, such as inferences, themes, imagery, figurative language, as well as sentence variety and word choice. We intend to foster a love of reading, thereby creating lifelong readers and learners.



Core Academic Classes: English Cont.

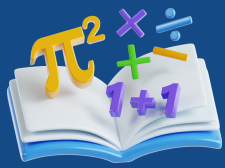
M/J LANGUAGE ARTS 3 ADVANCED (1001080) GRADE LEVEL: 8 CREDIT: 1.0.

This course is to provide grade 8 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. Eighth grade ELA begins with reviewing basic reading and writing skills that carry on throughout the year. Students move into informational reading, learning about text structures and strategies to break down informational texts. Students also will gain a foundation in argumentative writing structure, focusing on writing claim statements, basing arguments on researched evidence, and building thorough commentary to explain their evidence and support their claims. Though they explore different forms of argumentative writing, students will build off these core concepts at the heart of argumentative writing. Throughout the year, students will also explore higher level reading and writing units. They will focus on citing evidence and evaluating credible informational texts. In narrative reading, students will learn various reading strategies, explore author's decisions, develop a sound understanding of how to identify themes and how to write about them, and they will review a variety of story elements and narrative perspectives. In narrative writing, students will explore different writing techniques and strategies, as well as experiment with different points of view and different genres.

English Honors 1 (#1001320). GRADE LEVEL: 8 CREDIT: 1.0.

This course defines what students should understand and be able to do by the end of 9th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.



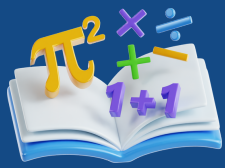
Core Academic Classes: Math

M/J ACCELERATED MATHEMATICS (1205020) GRADE LEVEL: 6 CREDIT 1.0.

This course goes beyond the standard 6th grade course by including operations with integers, negative exponents, several types of percent problems and multi-step equations in one variable. Accelerated Math 6 explores concepts including factors and multiples, computations with decimals and percent, fraction operations, rational numbers, two-and three-dimensional measurement, rate and ratio reasoning, and statistics. In addition, the students will learn to communicate mathematically, develop critical thinking skills, become careful problem solvers, work cooperatively, and gain confidence in their math abilities.

M/J ACCELERATED MATHEMATICS (1205050) GRADE LEVEL: 7 CREDIT 1.0.

This course is primarily a Pre-Algebra course that prepares students for high school level Honors Algebra in 8th grade. This course has a strong emphasis on the use of variables in equations and inequalities, operations with integers, number relationships, number theory, patterns and functions, basic geometry, and problem-solving strategies. The seventh grade accelerated mathematics in-depth program integrates pre-algebraic concepts, the number system, expressions, equations, ratios and proportional relationships, geometry, probability, and statistics. Students will learn to think critically and apply their math knowledge as they communicate mathematically and utilize the mathematical practices. Our program combines technology with mathematics content, activities, and a variety of instructional videos to engage students.



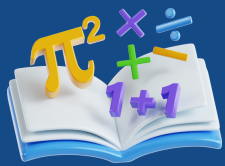
Core Academic Classes: **Math Cont.**

M/J GRADE 8 PRE-ALGEBRA (1205070) GRADE LEVEL: 8 CREDIT 1.0.

In grade 8, instructional time will emphasize six areas: (1) representing numbers in scientific notation and extending the set of numbers to the system of real numbers, which includes irrational numbers; (2) generate equivalent numeric and algebraic expressions including using the Laws of Exponents; (3) creating and reasoning about linear relationships including modeling an association in bivariate data with a linear equation; (4) solving linear equations, inequalities and systems of linear equations; (5) developing an understanding of the concept of a function and (6) analyzing two-dimensional figures, particularly triangles, using distance, angle and applying the Pythagorean Theorem.

Algebra 1 Honors (#1200320). GRADE LEVEL: 7-8 CREDIT: 1.0.

In Algebra 1 Honors, instructional time will emphasize five areas: (1) performing operations with polynomials and radicals, and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and systems of linear equations and inequalities in two variables; (4) building functions, identifying their key features and representing them in various ways and (5) representing and interpreting categorical and numerical data with one and two variables.



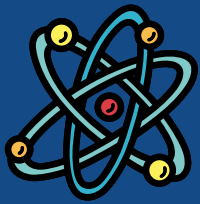
Core Academic Classes: **Math Cont.**

Geometry Honors (#1206320). GRADE LEVEL: 7-8 CREDIT: 1.0.

In Geometry Honors, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry.

Algebra 2 Honors (#1200340). GRADE LEVEL: 8 CREDIT: 1.0.

In Algebra 2 Honors, instructional time will emphasize six areas: (1) developing understanding of the complex number system, including complex numbers as roots of polynomial equations; (2) extending arithmetic operations with algebraic expressions to include polynomial division, radical and rational expressions; (3) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic; (4) extending systems of equations and inequalities to include non-linear expressions; (5) building functions using compositions, inverses and transformations and (6) developing understanding of probability concepts.



Core Academic Classes: Science

M/J CAMBRIDGE SCIENCE 1 (2002056) GRADE LEVEL: 6 CREDIT 1.0.

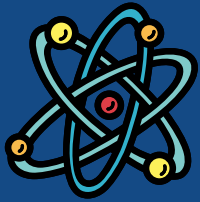
Sixth grade science revolves around studying the Earth as we explore and investigate many different branches of science. In the astronomy unit, students will focus on the solar system and Earth's role as a planet. During the plate tectonics unit, students will discover how movement shapes and changes the Earth's surface. In the ecology unit, students will analyze different organisms on Earth and their relationships with each other and the environment. Learning will be enhanced with a variety of hands-on lab investigations to extend and enrich student knowledge, helping students make connections to the real world.

M/J CAMBRIDGE SCIENCE 2 (2002086) GRADE LEVEL: 7 CREDIT 1.0.

The 7th grade science curriculum contains four major units of study. The Plants and Cells unit includes the cell theory, parts of cells, plant life cycle, heredity, and types of reproduction. Weather and Climate covers all aspects of the atmosphere including methods of heat transfer, weather patterns, and pollution. In the Chemical Changes unit, students discover how the periodic table is organized and describe evidence of physical and chemical changes. The year ends with the Waves and Energy unit where students identify wave types and describe the properties and interactions of waves

M/J CAMBRIDGE SCIENCE 3 (2002115) GRADE LEVEL: 8 CREDIT 1.0.

The 8th grade science class is an Earth Science course covering major topics such as: Weather/Climate, Rock Cycle, Geologic Time, Human Impact on the Environment and Astronomy. In addition to the units covered, this course will promote students to become independent thinkers and problem solvers. This is accomplished through various labs and application activities given through the school year. The year ends with students presenting a science investigation of their choice, giving them the opportunity to show mastery of an Earth Science concept.

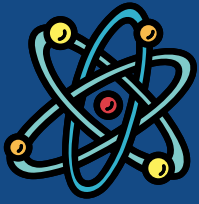


Core Academic Classes: Science Cont.

Biology 1 Honors (#2000320). GRADE LEVEL: 8 CREDIT: 1.0.

While the content focus of this course is consistent with the Biology I course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

Honors and Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted. Students are challenged to think and collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, and complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes and organization within and across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.



Core Academic Classes: **Social Science**

M/J UNITED STATES HISTORY AND CAREER PLANNING ADVANCED (2100025) GRADE LEVEL: 6 CREDIT: 1.0.

This course examines 19th Century American History. Students will examine the history of the United States from its emergence to the late 1800s. Major eras studied will include: Revolution, Formation of the Constitution, American foundations, Jacksonian Era, Manifest Destiny, Civil War and Reconstruction. Students will analyze causes and effects of American history. Students will use a variety of methods for historical evaluation and will begin to develop the critical thinking skills necessary to interpret present day events. Career planning will be embedded in activities in this course to satisfy the content requirements.

M/J CIVICS ADVANCED (2106020) GRADE LEVEL: 7 CREDIT: 1.0.

The primary content for the course pertains to the principles, functions, and organization of government; the origins of the American political system; the roles, rights, responsibilities of United States citizens; and methods of active participation in our political system. The course is embedded with strong geographic and economic components to support civic education instruction. Students at the end of this course take the Civics End of Course Exam that counts as 30% of their course grade.

M/J World History, Advanced and Career Planning (#2109025) GRADE LEVEL 8 CREDIT: 1.0

The primary content for this course pertains to the world's earliest civilizations to the ancient and classical civilizations of Africa, Asia, and Europe. Students will be exposed to the multiple dynamics of world history including economics, geography, politics, and religion/philosophy. Students will study methods of historical inquiry and primary and secondary historical documents.

Marine Science

Pathways



The Marine Science Pathway is for students who love marine life and want to explore how science protects our planet. From hands-on coastal studies to advanced lab and field experiences, students build real skills while working alongside scientists and researchers. Along the way, students can earn high school and college credit while gaining experiences that open the door to exciting careers in marine science, environmental studies, and beyond.

Our program includes

- * Coastal Science 1
- * Coastal Science 2
- * Pre-AICE Marine Science
- * AICE Environmental
- * AICE Marine
- * USF Dual Enrollment
- * Mote Apprenticeship



Marine Science Pathway

Electives

M/J Coastal Science 1 (#2001100) GRADE LEVEL: 6-8 CREDIT: 1.0.

This elective course is designed to introduce the middle school student to scientific principles, concepts and methodologies utilized to explore and conserve biodiversity, ecosystems and resources. Laboratory investigations that include the use of scientific inquiry and research are an integral component of this course as students investigate both the human impact and natural phenomenon affecting coastal environments. The National Science Teacher Association (NSTA) recommends that at the middle school level, all students should have multiple opportunities every week to explore science laboratory investigations (labs). School laboratory investigations are defined by the National Research Council (NRC) as an experience in the laboratory, classroom or the field, that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques and models. Laboratory investigations in the middle school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error, and have the skills to aggregate, interpret and present the resulting data

M/J Coastal Science 2 (#2001105) GRADE LEVEL: 6-8 CREDIT: 1.0.

This interdisciplinary elective course provides middle school students with scientific principles, concepts and methodologies required to identify, develop and utilize sustainable resource management practices for marine, coastal and wetland environments. Students are introduced to coastal science careers and current scientific research as they develop coastal management and stewardship skills. Laboratory investigations that include the use of scientific inquiry, research and measurement, problem solving, laboratory apparatus and technologies, experimental procedures and safety procedures, are an integral component of this course. The National Science Teacher Association (NSTA) recommends that at the middle school level, all students should have multiple opportunities every week to explore science laboratory investigations (labs). School laboratory investigations are defined by the National Research Council (NRC) as an experience in the laboratory, classroom or the field, that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques and models. Laboratory investigations in the middle school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error, and have the skills to aggregate, interpret and present the resulting data



Marine Science Pathway

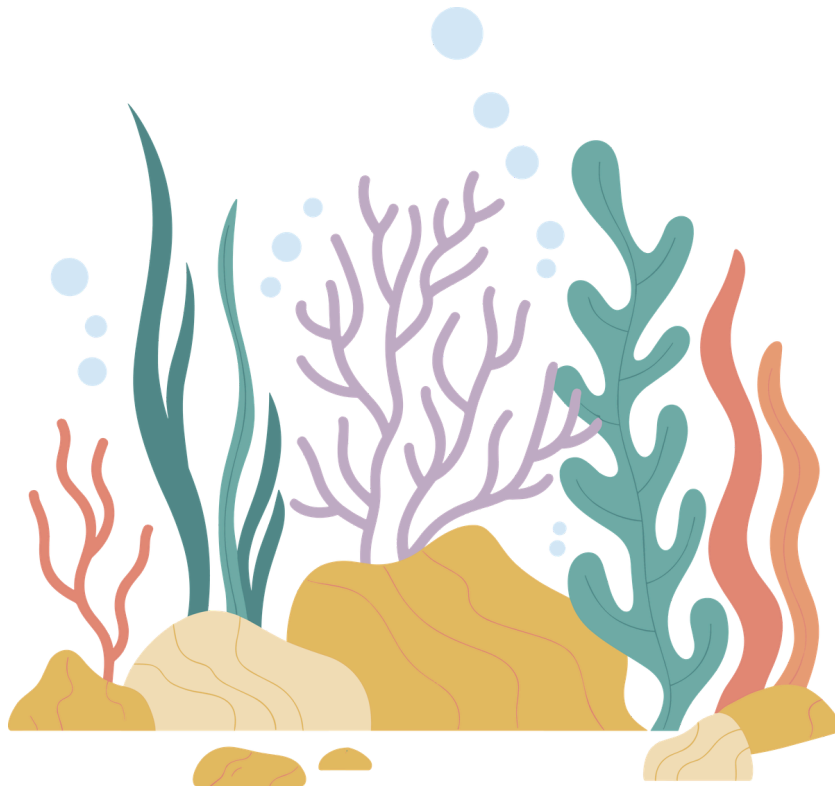
Electives



Cambridge Pre-AICE Marine Science IGCSE Level (#2002512) **GRADE LEVEL: 6-8 CREDIT: 1.0.**

Cambridge IGCSE Marine Science stimulates learners' interest in science of the marine world and enhances their understanding of its relevance to society. The syllabus:

- builds knowledge of scientific concepts and theories that are fundamental to the subject, and engages learners to apply them to a new context
- helps learners understand the intricate nature of the marine environment and its ecosystem and encourages a sense of responsibility for the environment
- develops a range of practical skills that are essential for the subject and can be developed in any future scientific study
- develops an understanding of concepts and scientific skills essential for progression to Cambridge International AS & A Level, further education or a career related to science.



Business Entrepreneurship & Law Pathways



Want to turn your ideas into something real? This pathway is all about learning how the world of business works, how leaders speak with confidence, and how laws affect everyday life. You'll explore exciting technology, real-world careers, travel and tourism, and even get a head start on college all while building skills like teamwork, leadership, and problem-solving. If you like thinking big, speaking up, and creating your own future, this pathway is for you.

Our program includes

- * **Speech and Debate**
- * **Law Studies**
- * **Pre-AICE Travel & Tourism**
- * **AICE Travel & Tourism**
- * **Business Entrepreneurship**
- * **SCF & USF Dual Enrollment**



Business & Law Pathway

Electives

M/J Speech and Debate 1 (#1007000). GRADE LEVEL: 6-8 CREDIT: 1.0.

This course is focused on the use of correct and effective language and organizational skills in preparing, delivering, and evaluating different types of oral presentations and debate. Students will critique speeches, paying attention to content, organization, language, and delivery style, and produce and present well-structured, developed speeches.

IM/J Law Studies (#2106030). GRADE LEVEL: 6-8 CREDIT: 1.0.

The social studies curriculum for this course consists of the following content area strands: Geography, Civics and Government. The primary content for this course pertains to the principles, functions, and organization of the American legal system. The content should include, but not be limited to, the purpose of law, the role of citizens, the impact of laws on the lives of citizens, civil and criminal laws, fundamental civil and criminal justice procedures, causes and effects of crime, consumer and family law, comparison of adult and juvenile justice systems, and career opportunities in the legal system. Students will study methods of historical inquiry and primary and secondary historical documents.

Cambridge Pre-AICE - Travel & Tourism IGCSE Level (#2102400) GRADE LEVEL: 6-8 CREDIT: 1.0.

Cambridge IGCSE Travel and Tourism is designed to help meet the need for skilled and knowledgeable individuals in this rapidly diversifying industry.

The syllabus:

- provides an understanding of the nature of travel and tourism globally, nationally and locally
- develops the concepts, models and theories used within the industry
- highlights the importance of sustainability, resilience, the customer, destinations and marketing in travel and tourism
- enhances learners' analysis, interpretation and evaluation skills.

Human or Veterinary Medicine Pathways



Do you dream of saving lives, human or animal, and making a real difference in the world? This pathway launches you into the exciting world of medicine through hands-on medical skills, deep dives into anatomy and biology, and elite opportunities like college dual enrollment and real medical apprenticeships. If you're curious, driven, and ready to challenge yourself, this is your first step toward becoming a future doctor, veterinarian, or healthcare innovator.

Our program includes

- * **Introduction to Health Science Careers**
- * **First Aid & Safety**
- * **Anatomy and Physiology Honors**
- * **AICE Biology**
- * **AP Chemistry**
- * **USF Dual Enrollment**
- * **LECOM Apprenticeship**



Medical Pathway Electives

Introduction to Health Science Career Pathways - 8709350 **GRADE LEVEL: 6-8 CREDIT: 1.0.**

The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the Health Science career cluster.

The content includes but is not limited to a broad overview of the Health Science career cluster, including terminology, careers, history, required skills, and technologies associated with each pathway in the Health Science career cluster. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices.

First Aid and Safety (#0800320) GRADE LEVEL: 7-8 CREDIT: 1.0.

This course provides a basic overview of the causes and preventions of unintentional injuries, appropriate emergency responses to those injuries and crisis response planning. Safety education should include cardiopulmonary resuscitation (CPR) and the use of an automatic external defibrillator (AED), first aid for obstructed airway, and injury prevention.

The content should include, but is not limited to, the following:

Injury prevention and safety

Safety promotion

First aid procedures

Adult, child, and infant CPR, and AED procedures

Disaster preparedness

Environmental health (community resources and services)

Community health and consumer health (career and public service opportunities)

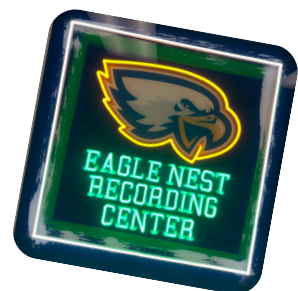
Communication and Arts Pathways



The Communications and Arts pathway is for creative thinkers who love to express ideas through art, music, media, and storytelling. Students explore how design, technology, writing, and performance are used in real-world careers while building skills in creativity, collaboration, and communication. Whether you enjoy creating visuals, working with sound, sharing stories, or using digital tools, this pathway helps you discover your talents and prepares you for future opportunities in creative and media-focused fields.

Our program includes

- * Journalism
- * Digital Yearbook Design
- * AP Theory
- * Band/Chorus/Music Tech
- * Visual Arts/Photography
- * USF Dual Enrollment





Communication Arts Pathway Electives

M/J JOURNALISM 1 (1006000) GRADE LEVEL: 6-8 CREDIT: 1.0.

This course is an introductory course where students learn the fundamentals of gathering information, writing news stories, interviewing techniques, basic editing skills, and formatting articles for publication, all while focusing on relevant school and community events, with an emphasis on ethical reporting and responsible communication tailored to a middle school audience.



Instrumental Music

M/J Instrumental Techniques 1 (#1302080) GRADE: 6-8

Students with little or no instrumental experience develop musicianship, technical proficiency, and performance skills. Beginning musicians focus on development of skills and techniques through scales, etudes, and solo literature. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.



Instrumental Music Cont.

Band 1 (#1302300). GRADE: 6-8

This year-long, entry-level class, designed for students having little or no previous band experience with woodwind, brass, and/or percussion instruments, promotes the enjoyment and appreciation of music through performance of high-quality, beginning wind and percussion literature from different times and places. Rehearsals focus on the development of critical listening/aural skills; rudimentary instrumental technique and skills, music literacy, and ensemble skills; and aesthetic musical awareness culminating in periodic public performances.

Band 2 (#1302310) GRADE: 6-8

This year-long, beginning-level class, designed for students with at least one year of woodwind, brass, and/or percussion ensemble experience, promotes the enjoyment and appreciation of music through performance of high-quality wind and percussion literature. Rehearsals focus on the development of critical listening skills, instrumental and ensemble technique and skills, expanded music literacy, and aesthetic awareness culminating in periodic public performances.

Band 3 (#1302320) GRADE 6-8:

This year-long, formative class, designed for students ready to build on skills and knowledge previously acquired in a middle or high school instrumental ensemble, promotes the enjoyment and appreciation of music through performance of high-quality, intermediate-level wind and percussion literature. Rehearsals focus on development of critical listening/aural skills, individual musicianship, instrumental technique, refinement of ensemble skills, and aesthetic engagement culminating in periodic public performances.



Instrumental Music Cont.

Band 4 (#1302330) GRADE: 6-8

This year-long, intermediate-level course, designed for students who demonstrate proficiency in woodwind, brass and/or percussion techniques, music literacy, critical listening/aural skills, and ensemble performance skills, promotes greater engagement with and appreciation for music through performance and other experiences with a broad spectrum of music, as well as creativity through composition and/or arranging.. Study includes cultivation of well-developed instrumental ensemble techniques and skills, music literacy and theory, and deeper aesthetic engagement with a wide variety of high-quality repertoire.

M/J Instrumental Ensemble 1 (#1302110). GRADE: 6-8

Students with little or no instrumental ensemble experience develop musicianship and performance skills as they study, rehearse, and perform high-quality ensemble literature in diverse styles. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.





Elective Classes:

Physical Education

M/J FITNESS GRADE 6 (1508000) - REQUIRED FOR A SEMESTER

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success.

M/J TEAM SPORTS GRADE 7 (1508020) - REQUIRED FOR A SEMESTER

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success.

M/J EXTREME SPORTS GRADE 8 (1508040) - REQUIRED FOR A SEMESTER

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success.

HOPE (3026010) GRADE LEVEL: 8 CREDIT: 1.0. YEAR LONG COURSE

This course focuses on preventative health and the importance to maintain a healthy balance of physical, mental, emotional, and social health. Current topics include nutrition, tobacco, drugs, STDs, and stress management skills. The physical education portion utilizes a variety of activities in physical fitness concepts, develop an optimal level of physical fitness and understanding the significance of a healthy lifestyle. Topics include health risk factors, components of fitness, exercise guidelines, principles of training, nutrition, body composition, and consumer issues.



Elective Classes: World Languages

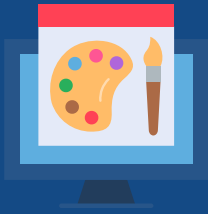
Spanish 1 (#0708340) GRADE LEVEL: 7-8 CREDIT: 1.0.

Spanish 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

Spanish 2 (#0708350) GRADE LEVEL: 8 CREDIT: 1.0.

Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.





Elective Classes: Art

M/J EXPLORING 2D ART (0101005) GRADE LEVEL: 6 SEMESTER COURSE

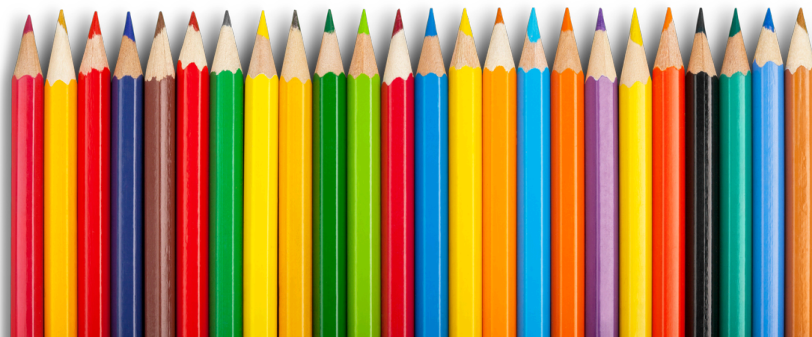
This course provides the students the opportunity to explore a variety of materials using the elements of Art. Course is composed of projects that allow students to infuse their own inspirations and creativity in art production. All levels of artists welcome from beginning to advanced.

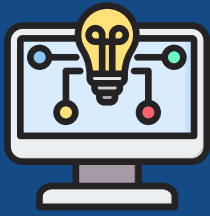
M/J 2D ART 2 (0101020) GRADE LEVEL: 7 SEMESTER COURSE

This course builds upon the elements of art with the introduction of the Principles of Design. Students will explore the elements and principles in art production. Various materials and techniques will be incorporated into projects. All levels of artists welcome from beginning to advanced.

M/J EXPLORING 3D ART (0101035) GRADE LEVEL: 8 SEMESTER COURSE

This course provides the students the opportunity to build upon the elements of art and principles of design. Various materials and techniques will be incorporated into the production of art. All levels of artists welcome from beginning to advanced.





Elective Classes: **Technology**

M/J Introduction to Cybersecurity (#0200025)

GRADE LEVEL: 6-8 CREDIT: 1.0.

This course will introduce students to the field of computer science, specifically the study of the many aspects of computing and networking systems and the rules, guidelines, and laws that affect their use in education, business, and everyday life. In Grades 6-8, Introduction to Cybersecurity - Computer Science, instructional time will focus on areas such as computer hardware and software, wired and wireless networking, computing languages, internet and online safety, copyright and digital footprint, and career exploration.

Future City (Research 1) GRADE LEVEL: 6-8 CREDIT: 1.0. *Requires proficient ELA & Math scores*

Students work in teams of at least three students, an educator, and volunteer mentor to bring their vision of their future city to life. They will imagine what it's like to walk down the main street of a city 100 years in the future. What do they see, hear, smell, and feel? From this starting point, they will design a futuristic city with innovative solutions to some of today's most pressing sustainability issues. As the middle school students create their cities, they will: Use the engineering design process and project management steps to take on a large-scale project; Apply their math and science knowledge to a real-world problem; and Strengthen their teamwork and problem-solving skills. Created for middle schoolers in or out of the classroom, Future City combines the engineer design process (EDP) with project management to imagine, research, design, and build cities of the future.

Fundamentals of Artificial Intelligence (AI) - 9009700 (#0511010201) GRADE LEVEL: 6-8 CREDIT: 1.0.

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in Artificial Intelligence (AI)-enabled careers; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of AI and Machine Learning required for AI-enabled professionals working in business and academic environments. The intention of this course is to prepare students to be successful both personally and professionally in an AI-based society.



Parent Involvement & Community Engagement

We believe that education is a partnership between the school and the home. We actively encourage parental involvement and provide numerous opportunities for families to engage with the school community. We understand that a strong relationship between parents and the school fosters a supportive environment that contributes to the success and well-being of our students.

Technology Integration

In keeping with our commitment to preparing students for a rapidly evolving world, we integrate technology throughout the curriculum. Classrooms are equipped with interactive boards, and students have access to digital tools that enhance learning. Coding, robotics, and digital literacy are introduced early, laying the groundwork for future academic and career success.

