LAKE HIGHLAND PREPARATORY SCHOOL
Mission Statement

Within an atmosphere of love, concern,
and mutual respect,
Lake Highland Preparatory School
is committed to instilling Christian values,
to inspiring patriotism, to developing future leaders,
and to preparing students for college and lifetime learning
through academically challenging programs and affirming
competitive experiences.

Highlander Honor Code

Each Highlander is a unique child of God whose actions are based
upon these fundamental beliefs:

A Highlander’s word is the truth.
A Highlander’s work is completely his or her own.
A Highlander respects the rights, feelings, and property of others.
CONTENTS

LEVELS OF ACADEMIC STUDY.........................................................1

SUMMER CLASSES: TRANSCRIPT POLICIES.................................1

REQUIRED COURSES........................................................................2

SEVENTH GRADE REQUIREMENTS 3
EIGHTH GRADE REQUIREMENTS 3

REQUIRED COURSE DESCRIPTIONS................................................4

LANGUAGE ARTS 4
MATHEMATICS 5
MATH CONTINUUM OF COURSES (GRADES 7-12) 7
SCIENCE 8
SOCIAL STUDIES 9
OTHER 9

ELECTIVE COURSES........................................................................10

FULL YEAR ELECTIVES 11
SEMESTER ELECTIVES 11

ELECTIVE COURSE DESCRIPTIONS................................................12

FULL YEAR ELECTIVES 12
SEMESTER ELECTIVES 15

2024 GRADUATION REQUIREMENTS..............................................19

NOTES.............................................................................................20
Levels of Academic Study

Students in the Middle School at Lake Highland are offered two levels of academic study: College Prep and Honors for select courses. Course placement is carefully considered for each of our students. To determine placement for each student for the upcoming school year, three aspects of course performance are considered:

1) Prior year CTP test scores
2) Prior year grade in the respective subject
3) Input from prior year teacher in the respective subject, when applicable

A placement committee will begin reviewing all criteria in mid-May to determine appropriate course enrollment for each student. These placement decisions will then be sent out to families toward the end of May. Once placements have been determined, families will be given the opportunity to contest a placement by submitting an online appeal packet. Final appeal decisions will then be mailed home prior to June 30th.

Summer Classes: Transcript Policies

Courses which students take in the summer typically fall into two categories: enrichment classes and credit classes.

Many colleges and educational institutions offer summer enrichment programs. These programs provide opportunities to reinforce scholastic skills and begin laying foundations for new fields of study. They are usually not intended by the offering institutions to be taken for official high-school credit and are not granted credit by Lake Highland.

All courses listed in this Curriculum Guide are subject to change, whether by addition, deletion or modification, at the sole discretion of Lake Highland Preparatory School, Inc. Lake Highland Preparatory School, Inc. does not guarantee or warrant that all courses that are listed in this Curriculum Guide will be available or offered during any academic school year. This Curriculum Guide is provided only for information about the possible scope of courses available or offered during an academic year. It is not intended to be a representation, guarantee, or warranty that all courses listed will, in fact, be available or offered during any academic year.
Required Courses
Unless otherwise noted, all required courses are a full year.

SEVENTH GRADE

- Language Arts: English 7 or English 7 Honors
- Math: Math 7, Pre-Algebra, Pre-Algebra Honors, or Algebra I Honors*
- Science: Earth/Space Science or Earth/Space Science Honors
- Social Studies: Civics 7

EIGHTH GRADE

- Language Arts: English 8 or English 8 Honors
- Math: Pre-Algebra, Algebra I*, Algebra I Honors*, or Geometry Honors*
- Science: Physical Science or Physical Science Honors
- Social Studies: American History 8: Civil War through the 21st Century
- Other: Life Management Skills/Fitness* (One Semester only—recommended for 8th grade but may be taken in 7th grade with parent approval)

* Algebra I, Algebra I Honors, Geometry Honors, and LMS are high school-level courses that will be included on the student’s high school transcript. High School transcript credits earned in seventh and eighth grade will not be counted toward the 22 credits required for graduation but are calculated in the student’s High School GPA.

SCHEDULING NOTES

- We cannot honor requests for specific teachers.
- We cannot honor requests for classes during specific class periods
- We cannot change full year classes, teachers and periods during the school year.
SEVENTH GRADE

English 7 – 1001040
The English 7 course includes a combination of classic and high-interest literature through the study of novels, short stories, poetry, plays, graphic novels, and current events. The elements of fiction, nonfiction, historical fiction, classics, and current young adult literature are all explored through the active reading skill of annotations. In-depth grammar study enables students to employ standard English usage in both written and oral communication. Composition is practiced in the forms of narrative, persuasive, descriptive, compare and contrast, expository, creative and research. Real-world critical research skills and the writing process are used while fostering a confident attitude toward writing. Vocabulary study includes words in context from students’ reading and vocabulary lessons. English 7 students will recall, understand, and apply lessons and concepts.

-OR-

English 7 Honors – 1001050
The English 7 Honors course includes a combination of classic and high-interest literature through the study of novels, short stories, poetry, plays, graphic novels, and current events. The elements of fiction, nonfiction, historical fiction, classics, and current young adult literature are all explored through the active reading skill of annotations. In-depth grammar study enables students to employ standard English usage in both written and oral communication. Composition is practiced in the forms of narrative, persuasive, descriptive, compare and contrast, expository, creative and research. Real-world critical research skills and the writing process are used while fostering a confident attitude toward writing. Vocabulary study includes words in context from students’ reading and vocabulary lessons. English 7 Honors students will analyze, synthesize, and evaluate the lessons and concepts.

EIGHTH GRADE

English 8 – 1001070
The English 8 course stresses the foundations of literary analysis through the study of novels, short stories, poetry, plays, and various other print sources. Grammar includes an in-depth study of sentence mechanics and syntax with a review of grammar and usage. Composition is practiced in various forms including, but not limited to, essays, letters, journals, and poems. Vocabulary is enhanced by studying word meaning, uses in context, and word parts.

-OR-

English 8 Honors – 1001080
The English 8 Honors course emphasizes the foundations of literary analysis through the study of novels, short stories, poetry, plays, and various other print sources. Grammar includes an in-depth study of sentence mechanics and syntax with a review of grammar and usage. Composition is practiced in various forms including, but not limited to, essays, letters, journals, and poems. Vocabulary is enhanced by studying word meaning, use in context, and word parts. The honors course is broader in scope and format than the English 8 course.
MATHEMATICS

Note: TI-89 calculators are not permitted in any math course.

SEVENTH GRADE

Math 7 – 1205040
This course is designed for seventh grade students to prepare them for future work in Pre-Algebra and high school Algebra. Topics include, but are not limited to: fractions, decimals, integers, variables, ratios, proportions, percent, sets, equations, exponents, formulas, the rectangular coordinate system, and algebraic expressions.

-OR-

Pre-Algebra – 1200305
This course is for students who are ready for abstract mathematical reasoning. It will prepare them for a high school-level Algebra course as an eighth grader. Topics will include, but are not limited to: expressions and formulas, solving equations, properties and basic number concepts, algebraic fractions, word problems, ratio and proportion, and linear equations as well as 2- and 3-D Geometry.

-OR-

Pre-Algebra Honors – 1200300
This course is designed to prepare select seventh grade students to take an honors level high school Algebra course as an eighth grader. All material covered in Pre-Algebra is included. In addition, more complex topics, such as irrational numbers and the Pythagorean Theorem, operations with polynomials, and possible independent projects combine to offer a challenging study of Pre-Algebra.

-OR-

Algebra I Honors (high school credit course) – 1200320
This course is designed to provide a rigorous, in-depth study of algebra and create a foundation for the application of these skills to other scientific and mathematical fields. Topics include, but are not limited to: operations and properties associated with the real number system, algebraic and graphical solutions of equalities and inequalities with one and two variables, relations and functions, direct and inverse variations, operations with rational/irrational numbers and expressions, and introductions to complex numbers, quadratic functions, probability, and counting methods. Throughout the year, problem-solving strategies and word problem applications will be emphasized. If at the end of the first grading period, a student has not attained a “B,” we strongly recommend that the student transfer to Algebra I. This is a high school level course and will appear as one credit on the student’s high school transcript.

EIGHTH GRADE

Pre-Algebra – 1200305
This course is designed to help students develop the skills necessary to be successful in Algebra I. It will review basic number theory skills and enhance critical thinking and communication of mathematical ideas and processes. Topics will include, but are not limited to using variables, simplifying algebraic expressions, properties of real numbers including an emphasis on the distributive property, exponents, proportions, probability, solving equations, and graphing linear functions.
Algebra I (high school credit course) – 1200310
This course is designed to provide a complete and comprehensive study of Algebra. Topics include, but are not limited to, operations and properties associated with the real number system, algebraic and graphical solutions of equalities and inequalities with one and two variables, relations and functions, direct and inverse variations, operations with rational/irrational numbers and expressions, and quadratic functions, equations, and inequalities. Students earning below a “C” for either semester must retake the course in full. Students earning a “C” are strongly encouraged to repeat the course. This is a high school level course and will appear as one credit on the student’s high school transcript.

Algebra I Honors (high school credit course) – 1200320
This course is designed to provide a rigorous, in-depth study of algebra and create a foundation for the application of these skills to other scientific and mathematical fields. Topics include, but are not limited to: operations and properties associated with the real number system, algebraic and graphical solutions of equalities and inequalities with one and two variables, relations and functions, direct and inverse variations, operations with rational/irrational numbers and expressions, and introductions to complex numbers, quadratic functions, probability, and counting methods. Throughout the year, problem-solving strategies and word problem applications will be emphasized. If at the end of the first grading period a student has not attained a “B,” we strongly recommend that the student transfer to Algebra I. This is a high school credit course and will appear as one credit on the student’s high school transcript.

Geometry Honors (high school credit course) – 1206320
This course is designed to provide a rigorous, in-depth study of geometry with emphasis on the methods of proof and the formal language of mathematics. Topics include, but are not limited to, the structure of geometry, logic, angle concepts, triangles, quadrilaterals, hexagons, proofs, perpendicularity and parallelism in a plane and in space, similar polygons, circles and spheres, constructions, area and volume, coordinate geometry, and transformational geometry. This is a high school credit course and will appear as one credit on the student’s high school transcript.
Math Continuum of Courses (grades 7 – 12)

Pre-Algebra A
- Pre-Algebra B
- Algebra I
- Geometry
- Algebra II
- College Algebra or Mathematics of Data Science Honors or Advanced Algebra with Financial Applications Honors

Pre-Algebra 7
- Algebra I
- Geometry
- Algebra II
- Pre-Calculus
- College Honors or AP Stats

Pre-Algebra Honors
- Algebra I Honors
- Geometry Honors
- Algebra II Honors
- Adv. Pre-Calc Honors
- Calculus Honors or AP Stats

Variations in this progression may occur. Please see your math teacher or an administrator for additional information.
SEVENTH GRADE

**Earth/Space Science – 2001010**
Earth & Space Science is designed to provide seventh grade students with an understanding of the Earth, its origin, its motions, its external and internal forces, and its relationship to other bodies in the planetary system and universe. Inquiry-based science laboratories, teacher demonstrations, and interactive multi-media explorations will enhance the student experience, support 21st century learning, and develop and refine critical thinking and problem-solving skills. Earth Science provides opportunities for students to practice communication skills involving oral, written, and multi-media presentations. Students are continually challenged to analyze and consider human impact on the Earth both locally and globally.

*OR*

**Earth/Space Science Honors – 2001020**
Earth/Space Science is designed to provide seventh grade students with an understanding of the Earth, its origin, its motions, its external and internal forces, and its relationship to other bodies in the planetary system and universe. The honors course is structured to challenge our most scientifically inclined students to understand Earth/Space Science through a framework of problem and project-based learning. Due to the accelerated pace of this course, it is tailored for the student who excels in science, is able to grasp and expand on new concepts quickly, and is able to immediately apply advanced scientific concepts to current and future local and global issues.

EIGHTH GRADE

**Physical Science – 2003010**
The Physical Science course is divided into two semester-long units of Chemistry and Physics. The practices of science are embedded throughout the yearlong curriculum. The Chemistry semester focuses on matter and energy through units in atomic structure, chemical bonding, and chemical reactions. The Physics semester covers the interactions of matter and energy through units in electricity, magnetism, waves, force, and motion. STEM-based lab activities and engineering projects are interwoven throughout the yearlong curriculum to enhance critical thinking and problem-solving skills which emphasize the concepts of matter and energy through practical applications. This is an inquiry approach course which will develop students to be motivated, organized and capable of independent learning.

*OR*

**Physical Science Honors – 2003020**
The Physical Science Honors course is divided into two semester-long units of Chemistry and Physics. This is an inquiry approach course which requires students to be highly motivated, self-driven, analytical, organized and capable of independent learning. The practices of science are embedded throughout the yearlong curriculum. The Chemistry semester focuses on matter and energy through units in atomic structure, chemical bonding, and chemical reactions. The Physics semester covers the interactions of matter and energy through units in electricity, magnetism, waves, force, and motion. STEM-based lab activities and engineering projects are interwoven throughout the yearlong curriculum to enhance critical thinking and problem-solving skills which emphasize the concepts of matter and energy through practical applications. Physical Science Honors offers deeper learning opportunities for students to develop the critical skills of synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they delve deeper into each unit.
SOCIAL STUDIES

SEVENTH GRADE

Civics 7 – 2106010
This course is designed to provide students with the context and understanding of how humans interact with each other and with the environment over time while offering the crucial knowledge needed to create a framework for understanding the systems of society. Students will develop a moral understanding and create an appreciation of how things change while building skills in judgment and decision-making. The study of Civics will teach the complexity of the origins, structure, and functions of governments; the rights, roles, and responsibilities of ethical citizenship; the importance of law; and the skills necessary to participate in all levels of government. This highly engaging course will enhance student’s ability to read varied sources and develop the skills to analyze, interpret and communicate ideas.

EIGHTH GRADE

American History 8: Civil War through the 21st Century – 2100010
American History 8 is designed to instill and appreciate the triumphs, tragedies and turning points of America’s past. This course is taught chronologically, beginning with the Civil War and concluding with the Vietnam Era. Students immerse themselves in primary source documents to analyze the people, events and ideas that have shaped the United States and the world. The first semester includes units on the Civil War, Reconstruction, the Gilded Age, World War I and decades of contrast (1920s/1930s). During the second semester, our young historians will study the causes and impact of World War II, the struggle for Civil Rights and conclude with an in-depth political and cultural exploration of the Cold War.

OTHER

EIGHTH GRADE

Life Management Skills/Fitness – 0800300 (high school credit course)
Designed to produce health-literate students who take positive actions for healthy and effective living, this course is wellness-oriented and emphasizes responsible decision-making and planning. Students will develop strategies for handling common issues that affect teens’ mental, emotional, physical and social well-being. Topics of study include, but are not limited to, fitness education and goal setting, mindfulness and stress management, internet safety and digital wellbeing, nutrition, substance abuse, and personal health. Human sexuality, including abstinence from sexual activity and teen pregnancy prevention will be discussed. Prevention and control of disease, and healthy relationship development will also be addressed. LMS is a one semester high school credit course and will appear as one-half credit on the high school transcript. Due to the topics covered, this course is recommended for 8th graders. 7th graders may choose to complete this requirement during their 7th grade year. Priority will be given to 8th graders.
Elective Courses
Unless otherwise noted, all courses are open to both 7th and 8th graders

FULL YEAR ELECTIVES

- Chorus
- Concert Band I (7th grade)
- Concert Band II (8th grade)
- Debate I Honors (8th grade only; tryout required; high school credit course)
- Middle School Leadership (application required)
- Musical Theater/JR Thespians Troupe #89211 (tryout required)
- String Orchestra I (7th grade)
- String Orchestra II (8th grade)
- World Language: French 1 (8th grade only, high school credit course)
- World Language: Latin 1 (8th grade only, high school credit course)
- World Language: Mandarin Chinese 1 (8th grade only, high school credit course)
- World Language: Spanish 1 (8th grade only, high school credit course)
- World Language: Middle School French
- World Language: Middle School Latin
- World Language: Middle School Mandarin Chinese
- World Language: Middle School Spanish
- World Language: Rotation of World Languages (7th grade only)

Lake Highland HIGHLY recommends all students choose a full year world language as an elective option.

SEMESTER ELECTIVES

- Acting
- Art Techniques 1
- Automation and Robotics
- Circuit Design
- Computer Science 1
- Computer Science 2 (8th grade only; prerequisite: Computer Science 1)
- Dance Technique
- Drawing & Painting
- Engineering Design & Modeling
- Entrepreneurship
- Flight and Space
- Innovative Robotics (prerequisite: Automation & Robotics)
- Introduction to Digital Storytelling
- Life Management Skills/Fitness (LMS) (required for 8th grade; available for 7th grade)
- Math Lab semester 1/Math Lab semester 2 (no credit assigned)
- Medical Detectives
- Mindful Living
- Open Art Studio (8th grade only; prerequisites: Art Techniques 1 and Drawing & Painting)
- Physical Education
- Public Speaking
- Team Sports
- World Mythology (online course)
FULL YEAR ELECTIVES

Chorus – 1303000
MS chorus will provide students with the opportunity to improve their vocal ability as they learn proper singing technique as well as music literacy. Students will perform a diverse repertoire of musical styles including Classical, Traditional, Multi-Cultural, Jazz, Broadway, Spirituals and Pop. Students will learn how to read music and will improve their sight-reading skills. They will participate in a variety of performances including formal concerts and off campus performances. The group will also participate in adjudicated festivals. Advanced students will have the opportunity to audition for the Florida All State Chorus and be selected for other State-wide Honors Choirs. Some after school commitment should be expected, but is minimal. This class meets on the Bradshaw Campus.

Concert Band I & II – I: 1302000 (7th grade); II: 1302010 (8th grade)
This performance ensemble is open to experienced band students. This course will continue to focus on all performance aspects of the band instrument including tonal production, ensemble skills, and sight-reading development. There will be numerous concerts throughout the year that are required as part of the grade for this class. Concert Band members will have the option to perform with the Marching Highlanders during the football season. After-school rehearsals will be required only for the students participating as members of the Marching Highlanders. This class meets on the Bradshaw Campus.

Debate I Honors – 1007330 (8th grade only; high school credit course)
Debate I Honors focuses on two different forms of High School Debate: The Debate Events (including Lincoln-Douglas, Public Forum and Congressional Debate) and the Speech/Interpretive Events (including Declamation & Extemporaneous Speaking). Debate I Honors is a high school credit class and will appear as one credit on the student’s high school transcript.

Lincoln Douglas/Public Forum/Congressional Debate is an intensive competition-level preparatory course that will provide a background for each of the three high school competitive debate events and will focus on all of the conceptual and strategic attributes that will enable students to compete on a national level in high school debate. The course will focus on research, case construction, rebuttal strategy, in-round storytelling, tutorials on basic philosophy and a number of critiqued practice rounds. Each grading period will include one debate resolution for each discipline, as well as a two-week introduction to student congress. The process in which the debate team tackles each resolution from topic analysis through debate will be used in an informative and educational setting.
LD/PF/CD is for all 8th grade students who have a serious interest in competitive debate and/or planning to join the speech and debate team in high school in either Lincoln-Douglas, Public Forum or Congressional Debate.

Speech/Interpretive Events teaches practical speaking skills while preparing the student for the following competition events:
Extemporaneous Speaking – Working against the clock, research and deliver a speech answering a question about important current events.
Declamation – Discover, adapt, memorize and perform a speech about an insight into life by drawing together your life experiences with research about the world around you.
Speech/Interpretive Events is for all 8th grade students who have a serious interest in competitive debate and/or planning to join the speech and debate team in high school in either Speech or Interpretive Events.

Each rising 8th grade student who intends to enroll in the Debate I Honors course (Public Forum/ Lincoln-Douglas, or Speech Events/Congressional Debate) MUST TRY OUT. Debate tryouts are scheduled for Monday and Tuesday, March 16 and 17, 2020, 3:30 – 5:00 pm, Middle School Campus.
Middle School Leadership – 2104040
The Leadership course is designed to cultivate student engagement in what it means to become a leader with a servant’s heart. This course will be dynamic in its ability to help students recognize and respect other’s abilities through discussion, personal reflection, mentoring, and collaboration on leadership qualities and daily habits. Through service-learning opportunities and campus outreach initiatives, students will deepen their sense of pride and responsibility to and for Lake Highland as a school community. The added value to this course, however, is the experiential learning opportunities that provide students the ability to live our mission of developing future leaders. Students will deepen their understanding of “glocal” responsibility and their role in shaping the future through intentional acts of service that are student-lead, and benefit the school, local, and/or global community.

Musical Theater/JR Thespians Troupe #89211 – 0400050
Musical Theatre will focus on LHP’s Junior Thespian festival events and Showcase in the fall, and the MS musical theater production in the spring. Through these two opportunities, students will develop physical and vocal performance skills and learn to analyze character and story through text and song. There are after-school rehearsals required both semesters; approximately 10 in the fall and 15 – 17 in the spring. Participation in the District 8, Junior Thespian Festival, which is held on one of the first Saturdays in December, is also a Musical Theatre requirement. This class size is limited. Musical Theater meets on the Bradshaw Campus. A simple audition will be held on April 17, 2020 to determine class enrollment.

String Orchestra I & II – I: 1302040 (7th grade); II: 1302050 (8th grade)
This performance ensemble is open to middle school strings students who have had at least one year of experience. Students with less than one-year experience will be admitted at the discretion of the Director. The purpose of this class is to continue to build a musical foundation, including good sound production, musical literacy, and solo and ensemble performance skills. Students will have multiple performance opportunities throughout the year, as well as the option to represent the school while participating in Solo and Ensemble and Concert Music Performance Assessment. String Orchestra is a year-long course. Students will enroll in Level I the first year and Level II the second year. Second year students will focus on shifting, vibrato, and more advanced techniques regarding sound production. This class meets on the Bradshaw Campus.

World Language: French I – 0701320 (8th grade only)
The purpose of this course is to introduce students to the French language and its culture. Students also start developing communicative proficiency and cross-cultural understanding. Emphasis is placed on listening and speaking skills through the use of a variety of activities, projects and technology. Fundamentals in grammar and vocabulary are introduced by using the skills of writing, reading, speaking and listening. This is a high school course which will appear on a student’s final high school transcript. This course will not count toward the required 2 years of a world language at the Upper School but will be included for college application GPA purposes.

World Language: Latin I – 0706300 (8th grade only)
The purpose of this course is to enable students to comprehend the Latin language through practice in reading and speaking. Using the reading approach, students will study the Roman culture and history and its relevance in their culture. Students will also increase their general language skills, particularly grammar, vocabulary, and derivatives. This study also includes the roots of modern romance languages. This is a high school course which will appear on a student’s final high school transcript. This course will not count toward the required 2 years of a world language at the Upper School but will be included for college application GPA purposes.
World Language: Mandarin Chinese I – 0711300 (8th grade only)
This course will introduce students to Mandarin Chinese language and the Chinese culture. Students will develop communicative proficiency as they are introduced to basic vocabulary, grammatical structures and Chinese characters through varied hands-on learning activities. Pinyin and tones will also be emphasized. Students will explore the culture and customs of the Chinese community. Students will be able to read selections of simple Chinese books, songs and poetry. They will also be asked to write skits in Chinese characters. Approximately 300 characters will be introduced. This is a high school course which will appear on a student’s final high school transcript. This course will not count toward the required 2 years of a world language at the Upper School but will be included for college application GPA purposes.

World Language: Spanish I – 0708340 (8th grade only)
This course introduces students to the Spanish language and its culture. Students start developing communicative proficiency and cross-cultural understanding through readings, classroom presentations and hands-on activities. Using technology, the students experience the Hispanic culture and practice their emerging communicative skills. Fundamentals in grammar and vocabulary are addressed through writing, reading, speaking and listening. This course is taught in Spanish and English to prepare students for Spanish II. This is a high school course which will appear on a student’s final high school transcript. This course will not count toward the required 2 years of a world language at the Upper School but will be included for college application GPA purposes.

World Language: Middle School French – 0701020
Middle School French introduces students to the target language and its culture. Students will study the basic structure of the French language as well as the cultures of France and other francophone countries. Students will practice listening, speaking, reading and writing skills.

World Language: Middle School Latin – 0706020
Latin MS is a one-year course offered at the CCC. Students will learn the basics of Latin grammar by reading a novel in the target language which follows a family from Pompeii in 79 CE. Emphasis is given to sounds, pronunciation, and basic sentence structures. Students will also undertake vocabulary studies to increase their knowledge of English derivatives which come from Latin. Culturally, we will focus on the house and Roman family along with religion, mythology, entertainment, and meals in ancient Rome. The study of Latin will also include developing a more profound understanding of English grammar and serve to broaden and enhance the students’ English vocabulary through derivative and etymology studies.

World Language: Middle School Mandarin Chinese – 0707020
This year long course introduces students to the fundamentals of the Chinese language (Mandarin) and its culture. Students will experience cross-cultural connections and learn the beginning skills in listening, speaking, reading, and writing with special emphasis on Tones. This course is taught in Chinese and English.

World Language: Middle School Spanish – 0708020
Middle School Spanish introduces students to the target language and its culture. Students will study the basic structure of the Spanish language as well as the cultures of Spanish-speaking countries. Students will practice listening, speaking, reading and writing skills.

World Language: Rotation of World Languages – 0000101 (7th grade only)
This middle school level course will engage in a yearlong language exploration of French, Latin, Mandarin Chinese, and Spanish. Through the quarterly rotation, students will receive an introduction to the target language in an authentic capacity. Students will also be immersed in a cultural exploration of each language, understanding the similarities that unite the world community, while considering the differences that enrich and blend. Skills emphasized include listening, speaking, reading, and writing. Students will become familiar with sounds, common words and phrases of each language.
SEMESTER ELECTIVES

Acting – 0400040
Acting will focus on Scene Study/Script Work, Improvisation, Theater Games and Ensemble Building. Students are a critical part of the storytelling process as they develop solid “moment to moment” behavior-oriented technique. This course is an excellent selection for any student interested in exploring the craft of acting. No audition is required. This course is held on the Bradshaw Campus.

Art Techniques 1 – 0101100
This class is a survey of 2-D and 3-D techniques and mediums, giving students a sampling of the variety of ways to create art. We’ll cover not only the range of effects of pencil and paint, but also relief printmaking, ink and ink wash, pastel, collage, sculpture with polymer clay, watercolor pencil, and more. We’ll also compare these methods to their digital counterparts by creating art on the iPad with ProCreate and on laptops with Photoshop. The overall goal of this class is for each student to fall in love with at least one of these art techniques and pursue them beyond middle school.

Automation & Robotics – 0000530
Automation & Robotics is a course in which students learn the history of automation relating to the development of the human species. Students are introduced to the robotics revolution and artificial intelligence and the myriad of changes these will spawn in the very near future. In addition, students will learn to work together in groups as they design, build, and operate mechanical devices, simple machines, and complex gear mechanisms. After mastering these tasks in the first quarter, students will move on to programming robots to do simple tasks like following a line and more complex tasks such as dropping a ball into a bucket. Students will learn the basic concepts and interrelationship of design, mechanics, engineering, computer programming and software. Automation & Robotics is essentially an engineering course so students will be issued an engineering notebook and learn to follow the design process in all of their projects. Automation & Robotics will give students ample opportunity to work with their hands, learn by failing and working together to accomplish a task.

Circuit Design- 0001720
Students explore electricity and circuits by first manipulating snap-together electrical components and then designing and building simple circuits using switches, transistors, resistors, LEDs, motors and more. Students will also learn basic electrical engineering and prototyping skills such as using a multimeter and soldering to design and construct their own unique, custom electronic creations, including night-lights and motorized toys. They will support their creative efforts by learning to sketch, design and 3-D print original objects.

Computer Science I – 0200010
In this unit, students discover the principles of this fast-growing field by focusing on creativity and an interactive design process as they create their own basic apps using MIT App Inventor. Students continue to explore the fundamentals of the stimulating career path of computer science. They venture into text programming through Python and, in the final problem, develop an app to crowdsource and analyze data on a topic of their interest. An emphasis is placed on composing academically appropriate materials for different viewing platforms using traditional word processing software and newer desktop publishing software.

Computer Science II – 0200020 (8th grade only)
ICS2 will continue to develop on the fundamentals from ICS1 with a primary focus on evolving students’ understanding of key computer programming concepts (variables, data structures, control structures, Boolean logic, and syntax). Students will use the Design Cycle along with the Python programming language to develop effective and efficient software solutions to a variety of relevant and engaging programming challenges. Although the class will be taught in Python the fundamentals learned are applicable to all programming languages. Prerequisite: Computer Science 1
Dance Technique – 0300000
Middle School Dance offers students the opportunity to pursue a variety of dance styles comprising the art form. In accordance with the national dance curriculum, students will be introduced to terminology, theory, history, and technique. Specific cross-training skills include balance, coordination, rhythm, posture, and timing, as well as strength building and overall fitness. It is expected that students will bring a mature sense of responsibility and a positive approach to learning to each class. This class is held on the Bradshaw Campus.

Drawing & Painting – 0101005
With a focus on 2-D drawing and painting, this class will teach students how to more confidently and capably capture the world around them on paper and canvas, both from observation (stuff they are looking at) and from their imagination (stuff they are not looking at). Examples of topics include learning to draw faces and the human figure, natural and human-made environments like cities and houses, and other everyday stuff, like cars, furniture, or clothing. Students will then study color theory and learn to use acrylic paint and watercolor to add color to their work.

Engineering Design & Modeling – 0000550
Explore the process of designing and fabricating products over several mediums and methods. Students will explore using every tool in the Build and Design Spaces; woodworking, 3D printing, laser cutting/engraving, and vinyl cutting. Throughout this process students will explore digitally using CAD and design programs such as Fusion360, Adobe Illustrator, Google Sketchup, Silhouette Studio, and RDWorks. The class will begin with simple constructions and progress to completely designing a product for a “client”. In addition, the class will take a field trip to see and work on an actual construction of a Habitat for Humanity house.

Entrepreneurship – 8600062
Entrepreneurship is a one-semester course that guides students through the design thinking process as they explore the possibilities of creating their own start-up venture. Students will get first-hand experience from local professionals as they engage with the business world. Entrepreneurial dreams will be explored as students identify problems, develop business plans, and evaluate the risks and rewards of their enterprise. Design, marketing, and leadership skills will collide in a whirlwind of discovery as students learn by doing, all the while discovering their passions and solutions to meet real-world needs.

Flight & Space – 0000560
Flight & Space is a semester course that takes the student on a journey through the development of powered flight and space exploration. The first quarter is spent learning about man’s attempts to learn to fly. Working together in groups, the students will construct a tetrahedral kite, build and test a hot air balloon, and build and test multiple airfoils. Students will learn how aircraft control surfaces and helicopters work. The history of aviation and the development from the Wright Flyer to the present will be introduced. In the second quarter, students will start learning about traveling and living in space. Spatial phenomena such as black holes, quasars, and wormholes will be investigated. Spatial constants including light speed and gravity will be introduced. Students will examine the different theories of the beginning and potential end of the universe. Finally, the U.S. space program from Gemini onwards will be discussed.
Innovative Robotics – 0001730
Innovative Robotics is a semester course that provides a hands-on environment for learning robotics through experience and hands-on application. Students are given the freedom to own their projects while the teachers facilitate their learning. Innovative Robotics is designed to allow students to feel comfortable with the new and sometimes complex concepts of modern robotics. Students work in teams that define, design, build, and program a robot. Students further develop the basic concepts and interrelationship of design, mechanics, engineering, computer programming and software they learned in Automation & Robotics. The students also practice and improve effective communication, teamwork, and problem-solving skills. This course will help prepare students for today’s world of integrated technology. Prerequisite: Automation & Robotics

Introduction to Digital Storytelling – 8600040
Students will learn aspects of video creation in this hands-on class. Skills include camera operation, editing, special effects, titles, transitions, storyboarding, and on-camera techniques. Cooperation is essential as students participate in collaborative project work with the goal of a polished, finished product. Students will produce the daily middle school announcements broadcast and video projects as assigned. Enrollment is limited.

Life Management Skills/Fitness – 0800300 (high school credit course)
The Life Management Skills (LMS)/Fitness course is designed to assist students in developing personal goals with future aspirations in mind. The course emphasizes responsible decision-making and planning for a healthy lifestyle. Students will develop strategies for handling issues that affect their mental, emotional, physical, and social well-being. Topics of study include substance abuse, nutrition, human development, sexuality, and stress management. The course also integrates fitness education, which guides students into creating personalized plans that promote healthy routines. LMS is a one semester high school credit course and will appear as one-half credit on the high school transcript. Due to the topics covered, this course is recommended for 8th graders. 7th graders may choose to complete this requirement during their 7th grade year. Priority will be given to 8th graders.

Math Lab – 0000950MA (semester 1)/0000950MB (semester 2)
This course is designed to provide students with additional assistance specifically in math content. Students will receive additional instructional support from a middle school math instructor, while working throughout the class period on reteaching and remediation in current levels of math coursework. Students will be provided the opportunity to self-pace, in order to meet their individual math support needs. This course will be open to students in Math 7 or Pre-Algebra ONLY. No credit is assigned for this course. This course may be taken during EITHER or BOTH semesters. Students must indicate semester 1, semester 2 or both semesters on elective choice form.

Medical Detectives – 0000575
Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, dissect a sheep brain, investigate disease outbreaks, and explore how breakdowns within the human body can lead to dysfunction. Students will also explore and practice various forensic techniques used in crime scene investigations. They will interpret evidence from a mock crime scene to solve a murder mystery.

Mindful Living – 1508700
The Mindful Living course sets the foundation for a healthy mind, body, and spirit. Recognizing that life moves fast and finding an opportunity to slow down and center ourselves is essential to cultivating a healthy mindset. Through various techniques and activities, the students will center themselves as they develop eight identifiable mindsets: Spiritual, Physical, Intellectual, Emotional, Social, Ethical, Creative, and Adaptive. The mindfulness experienced in this course is designed to help students as they navigate life’s successes and challenges, now and in the future.
Open Art Studio – 0101110 (8th grade only)
Only students who have taken both Drawing & Painting and Art Techniques may take Open Art Studio. Students will receive more advanced instruction personalized to their interests, and will have the space and supplies to independently pursue any of the themes or techniques covered in the previous two art classes. Projects may include but are not limited to: drawing, painting, printmaking, collage, mixed media, digital painting, and sculpture. Prerequisites: Art Techniques 1 AND Drawing & Painting.

Physical Education – 1501100
This elective Physical Education course is designed to develop students physically and mentally through individual and team sports and activities in which they can participate for the rest of their lives. Students will participate and build their skill level and proficiency through activities that will include, but are not limited to, badminton, flag football, basketball, volleyball, floor hockey, soccer, ultimate frisbee and kronum. Included will be an in-depth exploration of the rules and strategies of these sports, and students will participate with the goal of implementing the rules and strategies learned in class. This course may be taken both semesters if requested.

Public Speaking – 1007000
Public Speaking is a semester-long class dedicated to the development of public speaking and presentation skills. The students will learn about the processes of communication including both verbal and non-verbal communication. Informative, persuasive, and argumentative speeches, among others, will give students experience with various forms of speaking and will hone advanced speaking and delivery skills. Students will also learn strategies for practical, real-world speaking scenarios, such as job interviews, banquet speeches, and conversations with adults. The objective of this course is to develop speaking and delivery skills that students will use in the Upper School, college, and beyond.

Team Sports – 1508200
The purpose of this semester-long co-ed course is to develop the physical skills necessary to be competent in many forms of team sport movement, as well as knowledge of team sports concepts through involvement in basketball, flag football, soccer, and volleyball, to name a few. Students will focus on the role of individual contributing to a team and grapple with integration of offensive and defensive strategies while modeling appropriate social behaviors within a team or group setting. This course may be taken both semesters as long as the Prerequisite has been met. Prerequisite: Physical Education

World Mythology - 0000150
This high-school level elective course will focus on the story of “us” in world mythology. Myth, from the Greek mythos, is a story that explains something. Whether it be a natural phenomenon, the reason for something forbidden or permitted, or why the berries of a particular tree turn from white to red – humanity has an almost infinite number of stories to tell. It is in these narratives that we will explore those three important questions. Through our exploration, we will discover how, despite time and distance, we are not so different, that environment is critical in shaping belief, and that we all struggle with the unknown. This class is offered online only and will be an additional 8th class added to their normal load of 7.
# 2024 LHPS Graduation Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Language Arts (4 credits required)</strong></td>
<td>4.0</td>
</tr>
<tr>
<td>English 9, 10, 11, 12</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics (4 credits required)</strong></td>
<td></td>
</tr>
<tr>
<td>Algebra I</td>
<td>1.0</td>
</tr>
<tr>
<td>Geometry</td>
<td>1.0</td>
</tr>
<tr>
<td>Algebra II</td>
<td>1.0</td>
</tr>
<tr>
<td>One additional Math credit</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Science (4 credits required)</strong></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1.0</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1.0</td>
</tr>
<tr>
<td>Two additional Science credits</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>Social Studies (3 credits required)</strong></td>
<td></td>
</tr>
<tr>
<td>Modern World History</td>
<td>1.0</td>
</tr>
<tr>
<td>United States History</td>
<td>1.0</td>
</tr>
<tr>
<td>One additional Social Studies credit</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>World Languages (2 credits required; 3 or more recommended)</strong></td>
<td>2.0</td>
</tr>
<tr>
<td>Two consecutive years of a World Language during grades 9-12</td>
<td></td>
</tr>
<tr>
<td><strong>Computer Science (0.5 credit required)</strong></td>
<td>0.5</td>
</tr>
<tr>
<td>Any one semester Computer Science course</td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education (0.5 credit required)</strong></td>
<td>0.5</td>
</tr>
<tr>
<td>Any one semester Physical Education course</td>
<td></td>
</tr>
<tr>
<td><strong>Performing and Fine Arts (0.5 credit required)</strong></td>
<td>0.5</td>
</tr>
<tr>
<td>Any one semester Performing and Fine Arts course</td>
<td></td>
</tr>
<tr>
<td><strong>Freshman Seminar (0.5 credit required)</strong></td>
<td>0.5</td>
</tr>
<tr>
<td>Wellness Education</td>
<td></td>
</tr>
<tr>
<td>Academic Writing</td>
<td></td>
</tr>
<tr>
<td>Freshman Focus</td>
<td></td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>22.0</td>
</tr>
</tbody>
</table>
Notes regarding graduation requirements:

- Students are required to enroll in a minimum of five academic courses each semester.
- Early graduation is not an option at Lake Highland Preparatory School.
- All 9th graders will participate in Freshman Seminar during first semester.
- 11th and 12th grade students may not enroll in more than three Advanced Placement courses at one time without prior approval of the Upper School Director.
- 10th grade students may not enroll in more than two Advanced Placement courses at one time without prior approval of the Upper School Director.
- 9th grade students may not enroll in more than one Advanced Placement course. 9th grade students must be invited to and complete a Summer Institute in order to enroll in AP Biology or AP World History: Modern.
- Upper School credits taken in Middle School do not count towards the Upper School credit requirements.
- Merit Studies students are required to take three consecutive years of one World Language (grades 7-12) and are recommended to complete the World Language sequence through level IV or AP. See minimum World Language requirement above. Upper School World Language credits taken in Middle School count towards the Merit Studies requirements.
- Global Online Academy and University of Florida Dual Enrollment classes count towards the 22 total credits needed for graduation.

Notes