



PROGRAM OF STUDIES

2023-2024

MISSION AND CORE VALUES

Lake Catholic High School is an educational community centered in the mission of Jesus Christ, where young men and women of diverse interest and abilities are encouraged to learn, to work together and to think for themselves. We strive to provide a curriculum and environment that fosters a commitment to excellence, a spirit of respect and compassion, personal integrity and a willingness to serve.

VISION STATEMENT

Lake Catholic High School will strive to educate students in the model of St. Thomas Aquinas, by preparing its students, faculty, and staff to create a culture that embodies love of knowledge, love of persons, and love of God.

REGISTRATION PROCEDURES

The process of selecting and scheduling courses is organized as a collaborative effort among the students, parents, teachers, and guidance counselors in order to provide the students with a challenging program of study which will prepare them for college, career, and life. Admission into various courses at Lake Catholic is based on the placement test results, previous grades, standardized test scores and specific course prerequisites.

The process of scheduling courses should begin with a careful review of the Program of Studies. A student's 4-year plan should consider their interests, the recommendations of their counselor, the advice of their parents, the recommended college program and the LC graduation requirements. Note: All courses described in this Program of Studies are offered subject to sufficient enrollment and may be canceled at any time.

Course selection will be done through FACTS by students and parents. For the class of 2027 and any other student new to Lake Catholic, a signed tuition contract and \$350 non-refundable registration fee will be due at time of course selection. Any student currently enrolled at Lake Catholic will also be required to turn in a signed tuition contract and \$250 non-refundable registration fee at the time of course selection.

SCHEDULE CHANGES: If a student changes his/her course requests after March 31, 2022, the student may be subject to a \$40 schedule change fee.

GRADUATION REQUIREMENTS

4.0 Theology

4.0	English
4.0	Mathematics
3.0	Social Studies
3.0	Science
2.0	World Languages
1.0	Fine & Performing Arts
0.5	Physical Education
0.5	Health
0.5	Financial Literacy
2.5	Electives

25 TOTAL CREDITS

In order to meet the required **25 total credits** for graduation, electives are to be selected. The elective units can be chosen from fine arts, performing arts, technology, world language or other department courses not otherwise required.

1. Students may not have more than 8 study halls a week.
2. Theology credits include the successful completion of 50 hours of community service.
3. Lake Catholic may grant academic credit for courses taken prior to 9th grade provided the course was taught by a high school certified teacher and the course of study in effect meets high school curriculum requirements. If academic credit is granted, the grades earned are calculated into the high school grade point average. Transcript of final grade earned in these classes should be forwarded to Lake Catholic.
4. Lake Catholic is in session from 8:00 am to 3:05 pm each day. Within these hours, the day is divided into nine periods including lunch. In order to take full advantage of the educational opportunities offered at Lake Catholic, students should register for 7 or 8 classes each semester. Classes that meet outside the regular school day are taken in addition to the above requirement.

TRANSFER STUDENTS

Students transferring to Lake Catholic High School from other secondary schools are obligated to fulfill the Lake Catholic graduation requirements from the point of transfer through graduation. All decisions concerning discrepancies between the different schools' requirements will be made by the Lake Catholic administration. In general, years of participation in sports or clubs are not recognized.

RECOMMENDED COLLEGE PROGRAM

Specific college entrance course requirements vary from institution to institution, and some majors may have additional requirements. Be sure to check with College Guidance to see if the schools you are interested in have any specific recommendations or requirements.

*Students planning to enroll in college as freshmen who wish to participate in Division I or Division II athletics must be certified by **NCAA Initial-Eligibility Clearinghouse**. Please see the list of courses that are approved by the NCAA Clearinghouse when making your course selections. The list of approved courses can be found online at **eligibilitycenter.org**.

ACADEMIC HONORS

Honor Roll status is recognized at the end of each academic quarter based on the following grade point averages:

First Honors	4.00 or higher
Second Honors	3.60 – 3.99
Third Honors	3.00 – 3.59

Academic Letters are awarded at the conclusion of the academic year to students who have achieved a cumulative grade point average of 3.75 or higher for the first three quarters. Students will receive pins for each additional year in which the cumulative grade point average requirements are met. Seniors who have earned the first, second, and third highest cumulative grade point averages over eight semesters of high school will be recognized at graduation.

ADVANCED PLACEMENT COURSES

Rigorous, college-level courses offer the opportunity for students to use critical thinking skills and quality resources to further their learning in specific areas of study, as well as the possibility of earning college credit. The fee for each AP Exam is approximately \$90. For specific information about Advanced Placement credit and placement policies at various colleges and universities, visit www.collegeboard.org/apstudents.

OHIO ACADEMIC HONORS DIPLOMA

Lake Catholic students are eligible for a diploma with honors as defined by the Ohio Department of Education if they meet all but one of the following criteria.

1. Earned four credits of Mathematics (Algebra 1, Geometry, Algebra 2, and one other higher level course)

2. Earned four credits of Science (Biology, Chemistry, and at least one additional advance science)
3. Earned four credits of Social Studies
4. Earned either three credits of one world language or two credits each of two different languages
5. Earned one credit of Fine Arts
6. Maintained an overall high school grade point average of at least 3.5 (based on a 4.0 weighted scale)
7. Scored a minimum of 27 on the ACT or 1280 on the SAT

OHIO ARTS HONORS DIPLOMA

Lake Catholic students are eligible for a diploma with honors as defined by the Ohio Department of Education if they meet all but one of the following criteria.

1. Earned four credits of Mathematics (Algebra 1, Geometry, Algebra 2, and one other higher level course)
2. Earned three credits of Science (Biology, Chemistry, and at least one additional advance science)
3. Earned three credits of Social Studies
4. Earned either three credits of one world language or two credits each of two different languages
5. Earned four credits of Fine Arts
6. Earned two units of electives with a focus in fine arts course work
7. Maintained an overall high school grade point average of at least 3.5 (based on a 4.0 weighted scale)
8. Scored a minimum of 27 on the ACT or 1280 on the SAT
9. Complete a field experience and document the experience in a portfolio specific to the area of focus
10. Develop a comprehensive portfolio of work based on the student's field experience

OHIO STEM HONORS DIPLOMA

Lake Catholic students are eligible for a diploma with honors as defined by the Ohio Department of Education if they meet all but one of the following criteria.

1. Earned five credits of Mathematics (Algebra 1, Geometry, Algebra 2, and one other higher level course)
2. Earned five credits of Science (including at least two units of advanced science)
3. Earned three credits of Social Studies
4. Earned either three credits of one world language or two credits each of two different languages

5. Earned one credit of Fine Arts
6. Earned two units of electives with a focus in STEM
7. Maintained an overall high school grade point average of at least 3.5 (based on a 4.0 weighted scale)
8. Scored a minimum of 27 on the ACT or 1280 on the SAT
9. Complete a field experience and document the experience in a portfolio specific to the area of focus
10. Develop a comprehensive portfolio of work based on the student's field experience

COLLEGE CREDIT PLUS

Ohio's new College Credit Plus (CCP) program replaces the former Post-Secondary Education Option (PSEO) program. This program offers an opportunity for students who meet the requirements to earn both high school and college credits.

To qualify for CCP, Lake Catholic students will be required to complete the following steps of enrollment:

- Step 1: Parent/Guardian create an OH ID account at <http://ohid.ohio.gov>
- Step 2: Complete the college application online
- Step 3: Register for college placement test or submit ACT/SAT scores
- Step 4: Tell your counselor you applied and ask to have your transcript sent
- Step 5: Turn in your college acceptance letter to your Lake Catholic counselor
- Step 6: Complete and submit intent to participate form and funding application with parent/guardian through OH ID account by April 1st (it is recommended that you request 30 credit hours)
- Step 7: Provide award letter to your counselor with hours allotted from the ODE
- Step 8: Make an appointment to meet with a CCP Advisor at the college to select courses on campus or online
And/Or
- Step 9: Make an appointment to meet with your Lake Catholic counselor to select CCP courses at Lake Catholic

New CCP students will be required to attend an orientation meeting.

Students participating in the CCP program must be enrolled in a total of six classes with a minimum of at least three classes being taken at Lake Catholic High School. Any questions call the Guidance Department at 440-578-1020 ext. 258.

FACTS

At the beginning of each school year, students and parents are given passwords which allow them to access FACTS via the school's website, www.lakecatholic.org. FACTS is an online

gradebook designed to provide timely information about a student's academic progress. Students, as well as parents, are strongly encouraged to monitor grades frequently and to consult with the teacher to address specific needs or concerns.

TUTORING PROGRAM

Academic Support is provided by Intervention Specialists for students with IEPs or Service Plans. The support is scheduled during the student's study hall and takes place in the Resource Room within a small group setting. Accommodations stated in these plans are facilitated by the Intervention Specialist with the General Education teacher. Additionally, students with Accommodation Plans can test in the Resource Room as needed. Communication between school and home is regularly provided through FACTS, emails, conferences, progress reports, and phone calls.

ENGLISH DEPARTMENT

ENGLISH 9

Grade Level:	9	Length:	Y	Pre-requisite:	Placement
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

Students will learn a variety of composing strategies as they write and revise essays. They will sharpen their skills in grammar, mechanics, and usage. They will continue to expand their vocabulary and develop their critical reading skills as they explore a variety of literature from the classics to the contemporary. Students will also work to polish other essential literacy skills such as public speaking, listening, note-taking, and basic research.

HONORS ENGLISH 9

Grade Level:	9	Length:	Y	Pre-requisite:	Placement
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	R		

In this fast-paced course, students will begin to practice the critical analysis of literature. They will read and respond to multiple challenging texts from the classics to the contemporary. They will review essential reading strategies and cultivate higher order reading and reasoning skills. They will also develop composition skills as they analyze a variety of literary genres. Students will expand their vocabulary and enhance important literacy skills such as public speaking, researching and note-taking.

ENGLISH 10

Grade Level:	10	Length:	Y	Pre-requisite:	English 9
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

Students will read works from authors around the world. They will learn how to use the language of literature to analyze and respond critically. Students will read and write about novels, stories, poems, plays and essays. They will also review vocabulary, grammar, mechanics, and usage, as well as hone presentation skills.

HONORS ENGLISH 10

Grade Level:	10	Length:	Y	Pre-requisite:	B average in Honors English 9 or A average in English 9
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	R		

In this accelerated course, students will read a wide variety of world literature by writers from Sophocles to Shakespeare to Krakauer. They will learn to interpret, through written critical analysis, masterpieces of world literature. In the process, they will broaden their world view. They will also review vocabulary, grammar, mechanics, and usage, as well as participate in Socratic discussions.

ENGLISH 11

Grade Level:	11	Length:	Y	Pre-requisite:	English 10
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

Students will explore our national literature in its historical and cultural contexts. They will read and write about a variety of American literature, including novels, short stories, poems, plays and essays. They will continue to develop their composition and critical thinking skills as they write and revise more complex essays and a research paper. This will give students an opportunity to integrate their study of composition with American literature and important events in U.S. History. They will also review vocabulary, grammar, mechanics, and usage.

HONORS ENGLISH 11

Grade Level:	11	Length:	Y	Pre-requisite:	B average in Honors English 10 or A average in English 10
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	R		

In this rigorous course, students will explore our national literature in its historical and cultural contexts. They will read and write about a variety of challenging texts, including novels, short stories, poems, essays, and plays. They will continue to develop their composition and critical thinking skills as they write and revise more complex essays, a research paper, and essay exams. They will become more effective writers as they integrate their study of composition with American literature and important events in U.S. history. They will also review vocabulary, grammar, mechanics, and usage.

AP ENGLISH LANGUAGE AND COMPOSITION

Grade Level:	11	Length:	Y	Pre-requisite:	B average in Honors English 10 or A average in English 10
Credit:	1	Periods Per Week:	5	Other:	AP Test Approx. \$90 fee
Weight:	.5	Type:	R		

In this college level course, students will study rhetoric (the art of persuasion). They will learn to perform in-depth analysis of texts quickly, develop a broad knowledge base of current and past issues, as well as a repertoire of techniques to convince others of their opinions. By practicing close reading, writing argumentative, analytical and synthesis essays and taking time-limited

essay exams, students will be well prepared for not only the AP exam, but also for college and college admission tests. At the end of the course, students will take the AP exam to earn college credits or advanced placement in college English courses.

ENGLISH 12

Grade Level:	12	Length:	Y	Pre-requisite:	English 11
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	R	Other:	None

Students will read selected masterpieces of British literature from each of the major genres representing a variety of historical periods and diverse cultures. When they read and write about these novels, short stories, plays and poems, they will consider them in their historical and cultural contexts. Additional study of composition skills and expository writing will be required. Students will further develop their writer's voice in college preparatory assignments. Students will take a critical and analytical approach to all texts and written assignments.

HONORS ENGLISH 12

Grade Level:	12	Length:	Y	Pre-requisite:	B average in Honors English 11 or A average in English 11
Credit:	1	Periods Per Week:	5		
Weight:	.5	Type:	R	Other:	None

In this accelerated course, students will read, discuss and analyze a variety of representative texts from British literature from the 7th through the 20th centuries. The students will build upon previous grammar and composition skills to further develop writing style and voice. They will continue to use MLA format and also explore the use and format of APA style. They will continue to develop their reading, writing, speaking, and critical thinking skills by making oral explanations of texts, presenting critical summaries of scholarly articles, writing essay exams, and composing longer themes about literature. Speaking skills will also be emphasized in oral presentations during the course of the year.

AP ENGLISH LITERATURE & COMPOSITION

Grade Level:	12	Length:	Y	Pre-requisite:	B average in Honors English 11 or A average in English 11
Credit:	1	Periods Per Week:	5		
Weight:	.5	Type:	R	Other:	AP Test Approx. \$90 fee

In this college level course, students will read extensively in the major genres of world literature of the 16th through the 21st centuries. They will practice close reading and the critical analysis of literature. By practicing close reading, engaging in Socratic discussions, writing literary analysis essays, and taking time-limited essay exams, students will become more empathetic and

sophisticated readers and writers. At the end of the course, students will take the AP exam to earn college credits or advanced placement in college English courses.

ENGL 1110 English Composition I (A) (CCP- Lakeland Community College credit)

Grade Level:	11-12	Length:	S	Pre-requisite:	See CCP section on page 6 for details; Minimum of C average in English 10, Hon. English 10, English 11, or Hon. English 11
Credit:	1	Periods Per Week:	5	Other:	
Weight:	.5	Type:	E		

This course focuses on the writing process and on the composition of expository writing assignments, including personal, informational, and critical essays. Students will read and analyze expository and imaginative texts (fiction, nonfiction, poetry, or drama). Because of duplication in course content, students who have taken [ENGL 1111](#) English Composition I (B) should not take this course.

ENGL 1120 English Composition II (CCP- Lakeland Community College credit)

Grade Level:	11-12	Length:	S	Pre-requisite:	See CCP section on page 6 for details; Minimum of C average in English 10, Hon. English 10, English 11, or Hon. English 11
Credit:	1	Periods Per Week:	5	Other:	
Weight:	.5	Type:	E		

This course analyzes argumentative strategies, models, and texts. Students will focus on the research process: identifying sources through electronic and print-based research strategies, evaluating research materials, and integrating and synthesizing research material. The course culminates in the production of a fully documented argumentative paper.

CREATIVE WRITING

Grade Level:	9-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	
Weight:	None	Type:	E		

Students will experience the special satisfaction that comes from creative self-expression in writing. They will explore the creative writing process from brainstorming to proofreading their final draft. They will learn a variety of techniques for generating and expressing ideas as they explore various types of

writing. During this course, students will write poems, short stories, a one act play and a children's book. (This course is an elective. It may not be taken in lieu of English 9/10/11/12 or Honors English 9/10/11/12.)

MYTHOLOGY

Grade Level:	10-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will read and discuss a variety of classical myths. They will consider the relationships of myths to religion, philosophy, science, history, and literature. They will integrate their reading, writing, listening, and speaking skills as they read and respond to myths from around the world. To enrich their study of mythology, students will participate in a variety of individual and small group creative activities. (This course is an elective. It may not be taken in lieu of English 10//11/12 or Honors English 10/11/12.)

INTRODUCTION TO CLASSICAL PHILOSOPHY

Grade Level:	11-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

This course will introduce students to the practice of philosophical thinking, as well as to the major themes and thinkers of philosophical history, including free will, the existence of God, the relationship between mind and body, the nature of morality, and questions concerning the meaning and purpose of existence. Three days out of the week will be devoted to lectures and presentation of new content, and the remaining two will be devoted to class-discussion. (This course is an elective. It may not be taken in lieu of English 11/12 or Honors English 11/12.)

ARTS DEPARTMENT

DIGITAL PHOTOGRAPHY & DESIGN

Grade Level:	10-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	Smartphone or digital camera is required.
Weight:	None	Type:	E		

Today everyone with a smartphone camera can snap a picture. Ansel Adams said, "You don't take a photograph, you make it." Learn how to make your images stand out and what it means to be a photographer. Basic photographic skills will be introduced to you in challenging and engaging assignments that allow you to explore the technical, conceptual and historic

components of photography and how it applies to art and our world today. Based mainly in digital photography, this course will allow you to take your photos in and outside of class. The studio structure of this course allows time for refinement and individual feedback along with artistic choice to create outstanding imagery. Students will build a web-based portfolio of their daily work throughout the semester.

ADVANCED DIGITAL PHOTOGRAPHY & DESIGN

Grade Level:	10-12	Length:	S	Pre-requisite:	Digital Photography and Design
Credit:	.5	Periods Per Week:	5	Other:	Class limit of 10 students.
Weight:	None	Type:	E		

A picture shows something. A photograph tells a story. Challenging and engaging assignments will allow you to explore advanced photographic concepts and techniques using a Canon Rebel-T7 DSLR camera to create work that shows personal expression and creative development. Students will have the opportunity to work with the latest Adobe photoshop techniques to create meaningful, artistic images. By exploring photographic and digital media with the camera and computer, students will be able to develop a body of work that reflects a range of ideation and develops versatility with techniques and demonstrates their abilities. The studio structure of this course will allow students time for refinement of work and ideas along with the individual feedback needed to create great images. Students can use this course as a steppingstone to build their portfolio and/or prepare them for AP 2-D Art and Design.

DRAWING

Grade Level:	9-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	Art supplies are required
Weight:	None	Type:	E		

Do you like to draw? Do you find yourself doodling with any material you have nearby? Drawing is a way to clear your mind and find your creative outlet. This course is open to all students who are interested in drawing from both observation and imagination. This entry level course will teach the students to observe and why this is an important skill in drawing. The students will work with a variety of drawing materials, such as graphite, charcoal, colored pencil, and pastel. This course will prepare students to go on to Advanced Drawing and later on, AP Studio Art: Drawing.

ADVANCED DRAWING

Grade Level:	10-12	Length:	S	Pre-requisite:	Drawing
Credit:	.5	Periods Per Week:	5	Other:	2 best drawings to be reviewed by art faculty
Weight:	None	Type:	E		

Engage your creative mind! When you make art, you're making a series of decisions — what kind of drawing utensil to use, what color, how to translate what you're seeing onto the paper. And ultimately, interpreting the images — figuring out what it means. In this course, the students will expand upon the knowledge they have learned in Drawing and explore new ideas for creativity. New mediums such as watercolor pencil, pastel pencil, and ink will be used. The students will use creative problem solving skills to approach observational drawing and advanced design concepts. The students can use this course as a steppingstone to build their portfolio and/or prepare for either AP Studio Art: Drawing or AP Studio Art: 2-D Art and Design.

PAINTING

Grade Level:	9-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	A set of paint brushes is required.

Are you an aspiring artist? Vincent Van Gogh said, “If you hear a voice within you say, ‘You cannot paint,’ then by all means paint, and that voice will be silenced.” Painting is a skill. The more you do, the better you get. The students will be working with a variety of different paint mediums and will develop their understanding of color theory. They will explore different subjects such as landscapes, flowers, and animals as well as work within different painting styles. The students will use their creativity and imagination in order to create original, one-of-a-kind artworks. This course will prepare students to go on to Advanced Painting and later on, AP Studio Art: Drawing or AP Studio Art: 2D Art and Design.

ADVANCED PAINTING

Grade Level:	10-12	Length:	S	Pre-requisite:	Painting
Credit:	.5	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	2 best pieces to be reviewed by art faculty; a set of paint brushes is required

Take your painting skills to the next level! Unlock your creativity and stimulate your mind. The students will expand their knowledge of painting through creative problem solving skills in the mediums of tempera, acrylic, and watercolor and explore new techniques through the use of watercolor pencils and inks. Advanced Painting builds upon the foundation skills of Painting with an added emphasis on personal expression and self-discovery through subject matter such as self-portraits, design, animals, landscapes, and flowers. The students can use this course as a steppingstone to build their portfolio and/or prepare for either AP Studio Art: Drawing or AP Studio Art: 2-D Art and Design.

POTTERY

Grade Level:	10-12	Length:	S	Pre-requisite:	None
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Credit: .5 **Periods Per Week:** 5
Weight: None **Type:** E **Other:** None

Do you like to work with your hands? As a kid, did you play in the sand or work with Play Doh? Clay is a unique art medium because it asks to be poked, prodded, rolled, and molded and students find great satisfaction in it. In this course, the students will understand the stages of clay and building properties of clay through hand-building using pinch, coil, and slab building methods, in addition to learning to throw on the potter's wheel. The students will also learn methods of surface design through incised, applique, and stamping techniques. The study of other cultures and time periods will be used to understand the history of clay building. Color theory and glaze application will be applied using high gloss kiln fired glazes.

ADVANCED POTTERY

Grade Level: 11-12 **Length:** S **Pre-requisite:** Pottery
Credit: .5 **Periods Per Week:** 5
Weight: None **Type:** E **Other:** None

Creativity takes courage! Take your clay skills to the next level. In this course, the students will further develop the skills that were established in Pottery. The students will complete more advanced assignments using hand-building techniques and thrown forms. Further surface design techniques will also be explored. The study of other cultures and both historical and contemporary time periods will give the students a well-rounded understanding of how clay pieces are used for functional purposes. The students are expected to complete work that has excellent form design, creativity, and craftsmanship. The students can use this course as a steppingstone to build their portfolio and/or prepare for Studio Art: 3-D Art and Design.

3D ART

Grade Level: 10-12 **Length:** S **Pre-requisite:** None
Credit: .5 **Periods Per Week:** 5
Weight: None. **Type:** E **Other:** Art supplies are required.

Do you love to explore a variety of art media? 3D Art introduces and gives you opportunities to create art forms in a wide variety of three-dimensional art media including wire, plaster, clay, glass, found objects and mixed media while learning safety procedures and technical skills necessary for working with these materials. Students practice translating two-dimensional designs into a three-dimensional artwork. Students will explore various artists, analyze and critique artworks, discuss aesthetic issues, and understand how art is related to history and culture. A strong emphasis will be placed on craftsmanship, design and form. This course can provide students with the foundational skills required for AP 3-D Art and Design.

ART FOUNDATIONS

Grade Level: 9-12 **Length:** Y **Pre-requisite:** None
Credit: 1 **Periods Per Week:** 5

Weight: None **Type:** E **Other:** Art supplies are required.

Calling all artistic makers, creative and critical thinkers, and those who simply appreciate the arts and enjoy fascinating stories – this class is for you! The course focuses on helping students learn to think like artists and develop fundamental understanding of the Elements of Art and the Principles of Design through both studying and creating works of art. This exciting year-long class is designed for all artistic skill levels. Students will create original artwork in realistic, abstract, and nonobjective styles. Inspired by observation and imagination, they will express themselves through the themes of still life, landscape and portrait. They will use drawing, painting, clay, printmaking and sculpture, to create two- and three-dimensional artworks. Students will analyze and critique artworks, discuss aesthetic issues, and understand how art is related to history and culture. You'll learn how to organize your work for success and how to evaluate or "critique" your artwork.

CONTEMPORARY ART

Grade Level: 10-12 **Length:** S **Pre-requisite:** None
Credit: .5 **Periods Per Week:** 5
Weight: None **Type:** E **Other:**

Do you want to explore the art of today and find your artistic voice? Artists of today are bold and dynamic. Think of Kusama and her polka dots or Derek Hess (Cleveland native) and his band posters. Contemporary artists work in a globally influenced and culturally diverse world. Their art is a dynamic combination of materials, methods, concepts, and subjects that continue to challenge boundaries. The student in this course will create artwork that is part of a cultural dialogue that concerns larger contextual frameworks such as personal and cultural identity, family, community, and nationality. The students will be challenged to be creative as they explore various art methods and techniques such as drawing, painting, printmaking, sculpting, and crafting.

SENIOR STUDIO I

Grade Level: 12 **Length:** S **Pre-requisite:** Minimum of two semesters of art classes
Credit: .5 **Periods Per Week:** 5
Weight: None **Type:** E **Other:** Discussion with art faculty about responsibilities

Imagine a course where anything is possible. Senior Studio is a course for the individual who wants to work independently on subject matter that they want to explore. This can be working larger on canvas, wood burning, printmaking, sculpture, throwing on the wheel, etc. The student chooses the process and the art teacher facilitates the project. This course embraces the individual student and their want to try something new. It is expected that students have a strong work ethic and understanding of art elements and principles of design.

SENIOR STUDIO II

Grade Level:	12	Length:	S	Pre-requisite:	Minimum of two semesters of art classes
Credit:	.5	Periods Per Week:	5	Other:	Discussion with art faculty about responsibilities
Weight:	None	Type:	E		

Creativity thrives on independent thinking. This course is for continued independent study. During this class, the students will visualize and hypothesize to generate plans for ideas and directions to expand their art knowledge and skills. This course embraces the individual student and their want to try something new. It is expected that students have a strong work ethic and understanding of art elements and principles of design.

AP DRAWING

Grade Level:	11-12	Length:	Y	Pre-requisite:	Application Required
Credit:	1	Periods Per Week:	5		Pre-AP or minimum of two semesters or one year of previous art class.
Weight:	.5	Type:	E	Other:	Portfolio review from previous art teacher. Submission of a portfolio to College Board required in place of exam. approx. \$90 AP fee

AP Drawing is a full year class in which the art student is preparing work to be evaluated for college credit. The student will experiment, plan, and make multiple works of art and design that explore a personally meaningful theme, idea, or concept. The Drawing portfolio concentrates on mark making and should include, pencil, colored pencil, ink and pastel as a basis of skill understanding. There are two required aspects of the portfolio: Selected Works (5 quality pieces) and Sustained Investigation. The AP student must be willing to complete artwork on their own time and commit to the rigor and time restraints of the course.

PRE-AP

Grade Level:	10-11	Length:	Y	Pre-requisite:	At least one semester of an art class
Credit:	1	Periods Per Week:	5	Other:	Portfolio review with art faculty
Weight:	.5	Type:	E		

This course enables highly motivated students to explore the goal of art as a career option. Emphasis is placed on the production of quality pieces of artwork showing a variety of art mediums and subject matter. Students may take this course as a semester for .5 credit which would be called Portfolio. It is the expectation that students have strong drawing skills and a work ethic which embraces working on projects both in class and out of class. This course provides students the opportunity to begin to prepare their portfolio for study at the college

level. All students are expected to assemble and submit a Breadth Portfolio. Successful completion of this course will prepare students to enroll in AP: Studio Art.

AP 2-D ART AND DESIGN

Grade Level:	11-12	Length:	Y	Pre-requisite:	Application required. Pre-AP or minimum of two semesters or one year of previous art class. Portfolio review from previous art teacher.
Credit:	1	Periods Per Week:	5	Other:	Submission of a portfolio to College Board required in place of exam. Approx. \$90 AP fee
Weight:	.5	Type:	E		

AP 2D is a full year class in which the art student is preparing work to be evaluated for college credit. The student will experiment, plan, and make multiple works of art and design that explore a personally meaningful theme, idea, or concept. The 2D portfolio concentrates on works demonstrating the understanding of two-dimensional design on concept, composition, and execution. In this portfolio, digital art and photography may be included. There are two required aspects of the portfolio: Selected Works (5 quality pieces) and Sustained Investigation. The AP student must be willing to complete the artwork on their own time and commit to the rigor and times restraints of the course.

AP 3-D ART AND DESIGN

Grade Level:	11-12	Length:	Y	Pre-requisite:	Portfolio review by art faculty; min one year of 3D Art, Pottery, Adv. Pottery Application required. Pre-AP or minimum of two semesters or one year of previous art class. Portfolio review from previous art teacher.
Credit:	1	Periods Per Week:	5	Other:	Submission of a portfolio to College Board required in place of exam. Approx. \$90 AP fee
Weight:	.5	Type:	E		

AP 3D is a full year class in which the art student is preparing work to be evaluated for college credit. The student will experiment, plan, and make multiple works of art and design that explore a personally meaningful theme, idea, or concept. The 3D portfolio includes work that exhibit the synthesis of 3-D form, technique, and content. There are two required aspects of the portfolio: Selected Works (5 quality pieces) and Sustained Investigation. The AP student must be willing to complete the artwork on their own time and commit to the rigor and times restraints of the course.

HEALTH & PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION I

Grade Level:	9-12	Length:	S	Pre-requisite:	None
Credit:	.25	Periods Per Week:	5		
Weight:	None	Type:	R	Other:	None

Students will develop and improve on basic skills in various team and individual activities. Emphasis is placed on understanding the importance of lifetime fitness. Students will explore principles of sportsmanship and display these attributes in all areas.

PHYSICAL EDUCATION II

Grade Level:	9-12	Length:	S	Pre-requisite:	None
Credit:	.25	Periods Per Week:	5		
Weight:	None	Type:	R	Other:	None

Students will develop and improve on basic skills in various team and individual activities. Emphasis is placed on understanding the importance of lifetime fitness. Students will explore principles of sportsmanship and display these attributes in all areas.

HEALTH

Grade Level:	9	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5		
Weight:	None	Type:	R	Other:	None

Students will study aspects of physical, mental, and social health. They will learn the importance of balancing these components for optimal lifetime health. Decision-making skills are emphasized. Students will have many opportunities to discuss and analyze current health issues.

BASIC STRENGTH AND CONDITIONING

Grade Level:	10-12	Length:	S	Pre-requisite:	
Credit:	.50	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	

This is an introduction to living a strength and conditioning lifestyle. Topics include lifting and recovery mechanics as well as nutrition for athletes and basic anatomy. The class will vary between lecture and physical activity.

ADVANCED STRENGTH AND CONDITIONING

Grade Level:	10-12	Length:	S	Pre-requisite:	Basic Strength and Conditioning or Instructor Approval
Credit:	.50	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	

This is an advanced Physical Education course for students who have completed Basic Strength and Conditioning or have instructor recommendation. Students will continue their study of anatomy as it applies to strength and conditioning. Students will deepen their understanding of how to maintain a healthy lifestyle or continue to develop as a student athlete through deepening their experiential understanding of strength, nutrition, and anatomy. This course will be a mixture of lecture and physical activity.

MATHEMATICS DEPARTMENT

ALGEBRA I

Grade Level:	9	Length:	Y	Pre-requisite:	Placement
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	R	Other:	TI-84 Calculator Required

Students will build an understanding of real numbers by using symbolic, graphic and numeric representations as they solve equations and inequalities. Students will also work with scatter plots and functions to model two-variable data. In addition, students will learn how to write equivalent forms of polynomial, radical, and rational expressions and will begin to use geometric models with proportions, percent and probability.

HONORS ALGEBRA I

Grade Level:	9	Length:	Y	Pre-requisite:	Placement
Credit:	1	Periods Per Week:	5		
Weight:	.5	Type:	R	Other:	TI-84 Calculator Required

Students will study linear and quadratic functions and inequalities, factoring techniques, radical equations and functions, exponential expressions, and graphing techniques. In addition, students will explore various methods used in solving numerous types of word problems. This course is weighted due to its accelerated pace and rigor. Students can expect to be exposed to a more challenging, academic environment.

GEOMETRY

Grade Level:	9-10	Length:	Y	Pre-requisite:	Algebra I
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	R	Other:	TI-84 Calculator Required

Students will explore the study of plane geometry. The process will begin with students analyzing undefined terms and will progress to include basic definitions, postulates and theorems which show how this typical mathematical system develops. Concepts the students will learn include proofs, constructions and theorems involving lines, triangles, quadrilaterals and circles.

HONORS GEOMETRY

Grade Level:	9-10	Length:	Y	Pre-requisite:	B in Honors Algebra I/II or A in Algebra I/II
Credit:	1	Periods Per Week:	5	Other:	TI-84 Calculator Required
Weight:	.5	Type:	R		

Students will learn the theorems, corollaries and postulates that encompass the study of plane geometry. They will analyze geometric figures and apply appropriate theorems. Students will also prepare and present to the class a field project involving the Pythagorean Theorem. This course is weighted due to its accelerated pace and rigor. Students can expect to be exposed to a more challenging, academic environment.

ALGEBRA II

Grade Level:	10-11	Length:	Y	Pre-requisite:	Geometry
Credit:	1	Periods Per Week:	5	Other:	TI-84 Calculator Required
Weight:	None	Type:	R		

Students will continue to explore concepts introduced in Algebra I. They will have the opportunity to study deductive reasoning, problem-solving and more intricate concepts of Algebra. Students will develop pre-requisite skills to be used in College Algebra or Pre-calculus.

HONORS ALGEBRA II

Grade Level:	10-11	Length:	Y	Pre-requisite:	B in Honors Geometry or A in Geometry
Credit:	1	Periods Per Week:	5	Other:	TI-84 Calculator Required
Weight:	.5	Type:	R		

Students will continue to explore concepts presented in Honors Algebra I and develop problem solving and critical thinking skills. Polynomial functions, rational functions, exponential and logarithmic functions will be studied in depth and the trigonometric functions will be introduced. This course is weighted due to its accelerated pace and rigor. Students can expect to be exposed to a more challenging, academic environment.

ALGEBRA III

Grade Level:	12	Length:	Y	Pre-requisite:	Algebra II Teacher recommendation
Credit:	1	Periods Per Week:	5	Other:	TI-84 Calculator Required
Weight:	None	Type:	E		

Students will continue their development of algebraic skills while working with linear and quadratic equations and inequalities in one and two variables. Numerous methods for solving

systems of equations are explored. Factoring polynomials, properties of rational expressions, operations with radicals, and working with both integral and rational exponents are reviewed. Inverse functions, exponential and logarithmic functions, and conic sections will be introduced and studied.

COLLEGE ALGEBRA

Grade Level:	11-12	Length:	Y	Pre-requisite:	Algebra II and teacher referral
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	TI-84 Calculator Required

Students will continue their development of algebraic skills while working with linear and quadratic equations and inequalities in one and two variables. Numerous methods for solving systems of equations are explored. Factoring polynomials, properties of rational expressions, operations with radicals, and working with both integral and rational exponents are reviewed. Students will also be introduced to relations, polynomial functions, exponential and logarithmic functions.

PRE-CALCULUS

Grade Level:	11-12	Length:	Y	Pre-requisite:	Algebra II
Credit:	1	Periods Per Week:	5		
Weight:	.5	Type:	E	Other:	TI-84 Calculator Required

Students will study relations, polynomial functions, exponential and logarithmic functions, and trigonometric functions, identities and equations in depth. They will be introduced to polar coordinates and conic sections.

HONORS PRE-CALCULUS

Grade Level:	11-12	Length:	Y	Pre-requisite:	B in Honors Algebra II or A in Algebra II
Credit:	1	Periods Per Week:	5		
Weight:	.5	Type:	E	Other:	Complete Application Process TI-84 Calculator Required

Students will study relations, polynomial functions, exponential and logarithmic functions, and trigonometric functions, identities and equations in depth. They will be introduced to polar coordinates and conic sections. This course is weighted due to its accelerated pace and rigor. Students can expect to be exposed to a more challenging, academic environment.

STATISTICS

Grade Level:	11-12	Length:	Y	Pre-requisite:	Algebra II
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	TI-84 Calculator Required

Students will have the opportunity to study elementary principles of statistics and probability, including frequency distributions and graphs, data descriptions, normal distributions, sampling concepts, correlations, and regressions.

HONORS STATISTICS

Grade Level:	11-12	Length:	Y	Pre-requisite:	B average in Honors Algebra II or A in Algebra II
Credit:	1	Periods Per Week:	5	Other:	TI-84 Calculator Required
Weight:	None	Type:	E		

Students will have the opportunity to study elementary principles of statistics and probability, including frequency distributions and graphs, data descriptions, normal distributions, sampling concepts, correlations, and regressions. Students will engage in projects that require application of the course content. This course is weighted due to its accelerated pace and rigor. Students can expect to be exposed to a more challenging, academic environment.

AP CALCULUS AB

Grade Level:	12	Length:	Y	Pre-requisite:	B+ in Honors Pre-calculus
Credit:	1	Periods Per Week:	7	Other:	Complete Application Process AP Test Approx. \$90 fee & TI-84 calculator Required
Weight:	.5	Type:	E		

Students will have the opportunity to study functions and their behaviors from a more rigorous perspective. They will study concepts and applications of derivatives and integrals, including tangent lines, areas and volumes, maximum and minimum quantities, position, velocity, and acceleration.

MATH 1650 College Algebra (CCP- Lakeland Community College credit)

Grade Level:	11-12	Length:	S	Pre-requisite:	See CCP section on page 6 for details
Credit:	1	Periods Per Week:	5	Other:	
Weight:	.5	Type:	E		

This course investigates relations and functions numerically, analytically, and graphically. Topics include solutions of polynomial and rational equations and inequalities; exponential and logarithmic equations; systems of linear and non-linear equations; conic sections; sequences and series; and mathematical modeling. Students will need to supply a graphing utility; the instructor will provide details.

MATH 1700 Trigonometry (CCP- Lakeland Community College credit)

Grade Level:	11-12	Length:	S	Pre-requisite:	See CCP section on page 6 for details
Credit:	1	Periods Per Week:	5	Other:	
Weight:	.5	Type:	E		

This course includes the study of trigonometric functions and inverse trigonometric functions and their graphs; solutions of right and oblique triangles and their applications; solutions of trigonometric equations; the use of identities, vectors, and complex numbers; and graphs of polar and parametric equations. Students will need to supply a graphing utility; the instructor will provide details.
(3 contact hours)

PERFORMING ARTS DEPARTMENT

Note: All bands are Marching Bands during football season and follow a mandatory after school practice schedule during the season. All band members are required to attend Band Camp, which is held each year in late July or early August.

BEGINNING CHORAL

Grade Level:	9-12	Length:	Y	Pre-requisite:	None
Credit:	1	Periods Per Week:	5	Other:	Performances required
Weight:	None	Type:	E		

Students in Beginning Choir will understand that music is communication. They will comprehend the words they sing, understand how the music impacts those words and how best to perform their songs. Students will be encouraged to perform to the best of their ability and to grow as musicians. They will learn basic vocal technique, develop aural and sight-singing skills and learn basic music theory.

CONCERT CHOIR

Grade Level:	10-12	Length:	Y	Pre-requisite:	Beginning Choral or audition with the director
Credit:	1	Periods Per Week:	5	Other:	Performances required
Weight:	None	Type:	E		

As part of the premiere vocal-only performance ensemble at the school, students will be expected to show a high level of commitment to the rehearsal process. Concert Choir students will perform a wide range of music and be encouraged to stretch themselves as performers and to grow as musicians. Concert Choir students will further develop vocal technique, aural and sight-singing skills and learn music theory appropriate to their level.

SYMPHONIC CHOIR

Grade Level:	11-12	Length:	Y	Pre-requisite:	Concert Choir
Credit:	1	Periods Per Week:	5	Other:	Performances required
Weight:	None	Type:	E		

Symphonic Choir students study and perform a wide variety of musical styles including classical, modern, jazz and Broadway. They are expected to show the highest level of commitment to the rehearsal process as they further develop vocal technique, aural and sight-singing skills and learn music theory appropriate to their level. Members may be invited to join small ensembles to learn chamber music for solo and ensemble contest. Symphonic Choir performs at least five times a year.

PLAY PRODUCTION

Grade Level:	10-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will be introduced to the basic components involved in the mounting of a theatrical production. They will gain first-hand experience in all areas of theatre including acting, directing, design elements and management. By the completion of this course, students will be equipped to work in some facet of community theatre.

DRAMATIC INTERPRETATION

Grade Level:	10-12	Length:	S	Pre-requisite:	None (Play Production recommended)
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will be introduced to the elements and exercises involved in an actor's preparation of a role for performance. They will learn to develop an increased sense of dramatic timing, character development, improvisation, physical characterization and overall general confidence. Students will become acquainted with the requirements and expectations of a serious actor by the completion of this course should they choose to pursue a career in theatre.

SURVEY OF CINEMA

Grade Level:	11-12	Length:	S	Pre-requisite:	Instructor Approval (based upon interview and application of interest)
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	none	Type:	E		

Students will build a comprehension of the purpose of filmmaking. The value and function of early cinema has become diluted in our society today. Students will study selected films of substance to derive the possible intention, application and/or reflection of their concepts in our society today.

CONCERT BAND 1

Grade Level:	9-12	Length:	Y	Pre-requisite:	Elementary or middle school band experience
Credit:	1	Periods Per Week:	5	Other:	Marching Band participation and Band Camp fee
Weight:	None	Type:	E		

Students with experience in band from grade school or middle school join the Concert Band as a first-year member. Students will perform in multiple concerts and events, including three school concerts. Students will also learn basic maintenance for their instruments, and be individually advised on their growth as a musician.

CONCERT BAND 2

Grade Level:	10-12	Length:	Y	Pre-requisite:	Concert Band 1 or Intro to Band
Credit:	1	Periods Per Week:	5	Other:	Marching Band participation and Band Camp fee
Weight:	None	Type:	E		

Students with one year experience in Concert Band will further their musical growth in this course. Music ranges from easy to intermediate level with emphasis on good technique, tone development and musical interpretation. Students will perform in multiple concerts and events, including three school concerts.

CONCERT BAND 3

Grade Level:	11-12	Length:	Y	Pre-requisite:	Concert Band 2
Credit:	1	Periods Per Week:	5	Other:	Marching Band participation and Band Camp fee
Weight:	None	Type:	E		

Students with two years experience in Concert Band will further their musical growth in this course. As third-year members, students will be expected not only to grow in their musicianship,

but to also assist less experience members in their learning. Students will perform in multiple concerts and events, including three school concerts.

CONCERT BAND 4

Grade Level:	12	Length:	Y	Pre-requisite:	Concert Band 3
Credit:	1	Periods Per Week:	5	Other:	Marching Band participation and Band Camp fee
Weight:	None	Type:	E		

Students with three years experience in Concert Band will further their musical growth in this course. As fourth-year members, students will be held accountable to be prime examples of work-ethic and musicianship, leading their peers by example. Students will perform in multiple concerts and events, including three school concerts.

JAZZ BAND

Grade Level:	9-12	Length:	S	Pre-requisite:	Concurrent enrollment in Concert Band, and/or an equivalent qualification as approved by the director
Credit:	.5	Periods Per Week:	2	Other:	Marching Band participation and Band Camp fee
Weight:	None	Type:	E	Other:	Meets 3:15-4:45 pm Tuesdays and Fridays, 2 nd semester

Serious music students will increase their stylistic ability by performing in this select ensemble. The main focus of style is that of Jazz, Swing and Big Band music. Candidates are accepted by way of audition with the director. Vocalists interested in Jazz band should discuss expectations with the director.

MUSIC THEORY: AN INTRODUCTION

Grade Level:	9-12	Length:	S	Pre-requisite:	
Credit:	.5	Periods Per Week:	5	Other:	First Semester
Weight:	None	Type:	E		

Students will develop a thorough foundation in the relationship between written musical notation and its sound. Focusing on melodic, rhythmic, harmonic, and formal analysis, students will begin their preparation for the study of music at a higher level as a performer, composer, or musicologist.

MUSIC THEORY: APPLIED

Grade Level:	9-12	Length:	S	Pre-requisite:	Music Theory: An Introduction
Credit:	.5	Periods Per Week:	5	Other:	Second Semester
Weight:	None	Type:	E		

Music Theory: An Introduction and Music Theory: Applied taken in succession equate to Music Theory 1. Students who have completed Music Theory: An Introduction will continue their study of the relationship between music notation and its sound. Continuing to focus on melodic, rhythmic, harmonic, and formal analysis, students will solidify their understanding of written Western music and prepare them for the study of music at a higher level as a performer, composer, or musicologist. Students will also be introduced to alternative musical theories, developed in the mid-20th century.

GUITAR FUNDAMENTALS

Grade Level:	10-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will gain basic knowledge about the guitar, the basic skills needed to play the guitar, and an understanding of how to read musical notation for the guitar. Students with no prior guitar experience will have the tools needed to play basic melodies, chords, and possibly continue their studies through private guitar lessons, if they so choose.

PIANO FUNDAMENTALS

Grade Level:	10-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will gain basic knowledge about the piano, the basic skills needed to play the piano, and an understanding of how to read musical notation for the piano. Students with no prior piano experience will have the tools needed to play basic melodies, bass lines, two-handed pieces, and possibly continue their studies through private lessons, if they so choose.

SCIENCE DEPARTMENT

PHYSICAL SCIENCE

Grade Level:	9	Length:	Y	Pre-requisite:	None
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

Physical Science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science encompasses the organized study of the physical world as it relates to fundamental concepts about matter, energy and motion. Students will have an integrated understanding of phenomena in physical, living, Earth and space systems related to chemistry, physics, and Earth and space science.

HONORS PHYSICAL SCIENCE

Grade Level:	9	Length:	Y	Pre-requisite:	Placement
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	R		

Honors Physical Science serves as a platform to introduce and develop scientific methodology vital for success in the advanced sciences. This course examines the development of the physical world with a solid foundation in physics, chemistry, and space science. These fundamental principles will be emphasized conceptually, algebraically, and through real-world application. This course will develop critical thinking skills and problem-solving abilities through inquiry-based labs and project based learning.

BIOLOGY

Grade Level:	10	Length:	Y	Pre-requisite:	Physical Science
Credit:	1	Periods Per Week:	7	Other:	None
Weight:	None	Type:	R		

Biology is a course that revolves around understanding “life”. Through lectures and bi-weekly laboratory investigations, students are given the opportunity to discover not only the diversity that exists in various life forms, but also to develop an appreciation for the interdependence among living things. Topics covered include biochemistry of life, the cell and its modes of reproduction, ecology, classification of the various kingdoms, genetics and evolution.

HONORS BIOLOGY

Grade Level:	10	Length:	Y	Pre-requisite:	B+ or higher in Hon. Physical Science or teacher placement
Credit:	1	Periods Per Week:	7	Other:	None
Weight:	.5	Type:	R		

Honors Biology is a year-long course that delves into the many facets of “life”. Students will investigate topics focusing on cell biology, genetics and biotechnology, along with ecology, evolution and ending with an in-depth study of the biological kingdoms. Critical thinking skills such as synthesis, analysis and reasoning are all emphasized throughout the year. Students participate in bi-weekly lab investigations where learning is put into action. Placement for this course is determined on student performance and teacher recommendation.

ENVIRONMENTAL SCIENCE

Grade Level:	11	Length:	Y	Pre-requisite:	Physical Science and Biology and teacher placement
Credit:	1	Periods Per Week:	5	Other:	Placement
Weight:	None	Type:	R		

Environmental Science is a comprehensive course designed to provide students with the principles, concepts, and methodologies necessary to understand contemporary environmental issues of both local and global proportions. Through literature, familiarity with current scientific research, and student-centered discussion, participants will explore topics of global climate change, energy use, ecosystem dynamics, land use, water quality, air quality, and population growth. The interconnectedness of all life will serve as a unifying theme for this course. Emphasis will be placed on the critical role of humans in promoting sustainability through conservation and technological advancement. Students will research topics of personal interest and, working collaboratively with peers, begin to propose solutions to modern environmental problems. This course designed to promote critical thought about real-world developments.

CHEMISTRY

Grade Level:	11	Length:	Y	Pre-requisite:	Biology and concurrent enrollment in Algebra II
Credit:	1	Periods Per Week:	7	Other:	None
Weight:	None	Type:	R		

Chemistry is a full year comprehensive study of the structure and properties of matter. Emphasis is placed on periodic law, chemical formulas and compounds, stoichiometry, acid-base chemistry, solutions and oxidation-reduction reactions. Topics are addressed through lecture, lab investigations and discussions. Through the lab experience, students become adept in utilizing equipment and developing their analytical skills, formulating their observations, both quantitative and qualitative, in written lab reports.

HONORS CHEMISTRY

Grade Level:	11	Length:	Y	Pre-requisite:	B+ or higher in both Hon. Phys. Science and Honors Biology and concurrent enrollment in Honors Algebra II or higher math course or teacher placement
Credit:	1	Periods Per Week:	7	Other:	
Weight:	.5	Type:	R		

Honors Chemistry is a full-year rigorous course dealing with the properties and structure of matter. Students will acquire a detailed understanding of atomic theory, nomenclature and chemical equations, stoichiometry, trends in the periodic table, kinetics, thermodynamics, and

acid-base chemistry. Students will experience laboratory investigations allowing for development of critical thinking skills, enhancement of problem-solving abilities and experience in logically analyzing data. Placement is dependent on having had success in Honors Biology and in Honors Algebra II.

HUMAN BIOLOGY

Grade Level:	12	Length:	Y	Pre-requisite:	Biology and either Chemistry or Environmental
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

This course introduces students to biological principles as they relate to the human organism. Emphasis is placed on the major systems of the human body including: muscular and skeletal, circulation, nutrition and digestion, respiration, nervous and hormonal control. This course includes the study of human diseases resulting from heredity, environment, or a malfunction of a normal system operation. Students prepared to enroll in any Med Tech or health and wellness program will benefit from taking this course. The information in this class is delivered through projects, lectures, student presentations and guest speakers.

HONORS ANATOMY & PHYSIOLOGY

Grade Level:	12	Length:	Y	Pre-requisite:	A or B+ in Honors Chemistry or A average in Chemistry
Credit:	1	Periods Per Week:	7		
Weight:	.5	Type:	E	Other:	None

Honors Anatomy and Physiology is a full-year lab course designed to study the human body and how its systems work. Topics covered in this college level class are cells and tissues, integumentary system, skeletal, muscular, cardiovascular, nervous and reproductive systems, respectively. Laboratory investigations and clinical applications serve to enhance the art of learning anatomy. Placement for this class is dependent on students having had success in Honors Chemistry and Biology.

PHYSICS

Grade Level:	12	Length:	Y	Pre-requisite:	Algebra II and Chemistry
Credit:	1	Periods Per Week:	7		
Weight:	None	Type:	E	Other:	None

Physics is a branch of science that centers on discovering interrelationships that exist between matter, energy and nature. This is a full-year course where scientific concepts are developed utilizing lectures, problem solving and laboratory experience. Physics topics include mechanics, electricity, magnetism and motion. Students will further develop synthesis skills, analytical

reasoning and logical thinking as they experience physics theory and its practical applications. Placement is dependent on success in Algebra II and Chemistry.

AP PHYSICS I

Grade Level:	12	Length:	Y	Pre-requisite:	B average in Honors Chemistry and have completed Pre Calc.
Credit:	1	Periods Per Week:	8		
Weight:	.5	Type:	E	Other:	AP Test Approx. \$90 fee and TI-84 calculator

This college level course covers six mechanics content areas: kinematics, Newton's Laws of Motion, work, energy and power, systems of particles and linear momentum, circular motion and rotation, oscillations and gravitation. This course will utilize guided inquiry to promote critical thinking skills. Students must have had Honors Chemistry and be concurrently enrolled in College Algebra or higher math.

SOCIAL STUDIES DEPARTMENT

MODERN WORLD HISTORY

Grade Level:	9	Length:	Y	Pre-requisite:	None
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	R	Other:	None

Students will assess the importance of the world beyond their own country. Elements of study will include history, geography, economics, political systems, cultural and religious diversity, and current events. Course content will begin with the 1600s.

HONORS MODERN WORLD HISTORY

Grade Level:	9	Length:	Y	Pre-requisite:	None
Credit:	1	Periods Per Week:	5		Current Teacher Recommendation
Weight:	.5	Type:	R	Other:	None

In Honors Modern World History students will take an in-depth and analytical look at the history, politics, economics, and geography of the world. Cultural and religious diversity, as well as current events, will add to the discussions. Extensive independent study and outside projects will be required of students. Course content will begin with the 1600s.

MODERN UNITED STATES HISTORY

Grade Level:	10	Length:	Y	Pre-requisite:	Modern World History
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

Students will examine events from 1877 through present day. Major political, economic and social trends in America will be studied as well as America's relations with the world.

HONORS MODERN UNITED STATES HISTORY

Grade Level:	10	Length:	Y	Pre-requisite:	Modern World History and Current Teacher Recommendation
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	R		

Students will focus on interpreting events from 1877 through present day. Students will use the analytic skills and the factual knowledge necessary to deal with the problems resulting from those events.

AP UNITED STATES HISTORY

Grade Level:	11-12	Length:	Y	Pre-requisite:	Honors US History
Credit:	1	Periods Per Week:	5		Application Completed
Weight:	.5	Type:	R	Other:	AP Test Approx. \$90 fee

Students will examine major themes in United States history from colonial times through the present day. Students will actively participate in discussions and complete a project each quarter.

UNITED STATES GOVERNMENT

Grade Level:	11	Length:	S	Pre-requisite:	Modern American History
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

Students will become familiar with American political institutions. Facts covered include the Constitution, branches of government, foreign policy and relations, state government and local government.

HONORS UNITED STATES GOVERNMENT

Grade Level:	11	Length:	S	Pre-requisite:	Current Teacher Recommendation
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Credit:	.5	Periods Per Week:	5		
Weight:	.5	Type:	R	Other:	None

This course will focus on all aspects of government including the philosophies and that events that helped shape the U.S. Constitution. Students will gain a working knowledge of federal, state and local government in principle and in practice as we analyze the nuances of the political spectrum. Also, expect to understand the unique role of the U.S. legal system while building the skills to be an engaged global citizen.

AP UNITED STATES GOVERNMENT AND POLITICS

Grade Level:	11	Length:	Y	Pre-requisite:	Current Teacher Recommendation Application Completed Interview with AP teacher
Credit:	1	Periods Per Week:	5		
Weight:	.5	Type:	R	Other:	AP Test Approx. \$90 fee

Students will examine major themes in American Government including the Constitution, political institutions, state and local governments. Emphasis on the foundational documents and essential Supreme Court cases. Extensive independent study required.

CRIMINOLOGY

Grade Level:	11-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

Students will study the nature of crime and criminal behavior in contemporary society by examining its causes, effects and prevention.

PSYCHOLOGY

Grade Level:	11-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

Students will learn about the theory and practical applications of psychology through the science and study of individual differences. From Freud to Rogers, students will study how this social science has become an integral part of understanding modern man.

SOCIOLOGY

Grade Level:	11-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

Sociology is the behavioral science that studies human society and social behavior. The focus of sociology is on how people interact and influence each other and therefore focuses on the group rather than the individual.

HONORS MOCK TRIAL

Grade Level:	9-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	Class offered first semester
Weight:	.5	Type:	E		

Students learn first-hand about the law, court procedures and the judicial system while also building critical 21st Century skills. Participating in Ohio Mock Trial offers an innovative approach to learning about law and how our legal system functions. Guided by teachers and volunteer legal advisors, students participate in an original, unscripted simulated trial created by the Ohio Center for Law Related Education. Students will improve critical thinking, reading, writing, public speaking and listening skills, develop an understanding and appreciation for the law, court procedures and the judicial system, and understand constitutional rights and responsibilities. The course culminates with the opportunity to participate in the Ohio Mock Trial competition in January.

TECHNOLOGY & INNOVATION DEPARTMENT

INTRODUCTION TO TECHNOLOGY & INNOVATION

Grade Level:	9-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will explore the principles of computer science and engineering in a project-based learning environment. This course will explore the fundamentals of engineering and the reverse design process and how it applies to technology today! Topics explored include computer design, drone aviation, minor robotics, and more. Students will complete projects reported through an e-portfolio.

INTRODUCTION TO COMPUTER DRAWING AND DESIGN

Grade Level:	9-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Drawing, dimensioning, and positioning simple objects are the main goals of this course. The students will use Cad programming to create detailed drawings of selected objects. Designing a car, a simple floor plan for a room, a maze, and finally using two dimensions to create three dimensional objects are included in the course. This class is designed for learning the basics of engineering, architecture, and design.

EXPLORATION OF 3D PRINTING

Grade Level:	9-12	Length:	S	Pre-requisite:	Either Intro to Tech & Innovation or Intro to Computer Drawing and Design
Credit:	.5	Periods Per Week:	5	Other:	
Weight:	None	Type:	E		

This course is for students who are interested in learning the basics of 3D printing. The course will cover simple design in 3D and printing some of these three-dimensional objects. Emphasis will be placed on simple and straight-forward 3D design principles. This course is for beginners. Those wishing a more in-depth look at architecture or engineering should consider Professional 3D Printing.

PROFESSIONAL 3D PRINTING

Grade Level:	10-12	Length:	S	Pre-requisite:	Either Intro to Tech & Innovation or Intro to Computer Drawing and Design and Exploration of 3D Printing or teacher recommendation
Credit:	.5	Periods Per Week:	5	Other:	
Weight:	None	Type:	E		

This course is designed to further the study of Cad software for those who have taken Introduction to Computer Drawing and Design and have an interest in engineering or architecture. The principles of plotting and printing of 3D objects are the focus of this course. Students will also study the rise and popularity of 3D printing in popular culture today.

INTRODUCTION TO ROBOTICS

Grade Level:	9-12	Length:	Y	Pre-requisite:	Either Intro to Tech & Innovation or Intro to Computer Drawing and Design
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

The jobs of tomorrow have not yet been created. This course provides students with the fundamentals in robotic design. Students develop problem solving skills, design solutions, and reverse engineering principles to design, code, and build a robot. This collaborative course works primarily with SPHERO and VEX Robotics to build and code your robot to complete tasks using Robot C. Knowledge of coding or a willingness to learn coding is helpful in the course.

DIGITAL MEDIA/COUGAR BROADCASTING NETWORK

Grade Level:	10-12	Length:	y	Pre-requisite:	Application Required
Credit:	1	Periods Per Week:	5	Other:	Max number of students: 15
Weight:	None	Type:	E		

Digital Media/Cougar Broadcasting Network is a study of journalism in the 21st century. This course is designed to give students a chance to work in different areas of film production. Students will learn everything from scripting/storyboarding a news broadcast-based project and shooting video projects of their own. Students will learn how to edit and include special effects in their work. Other aspects of digital media including digital citizenship, blogging, vlogging, podcasting and more will be covered.

THEOLOGY DEPARTMENT

THE REVELATION OF JESUS CHRIST IN THE SCRIPTURE

Grade Level:	9	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In this course, they will learn about the Bible authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

WHO IS JESUS?

Grade Level:	9	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

THE MISSION OF JESUS CHRIST (THE PASCHAL MYSTERY)

Grade Level:	10	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in the redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple means.

JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH

Grade Level:	10	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained through the Holy Spirit. The students will come to know that they are the living Body of Christ, the Church, called to live out Jesus' mission and engage in the world.

SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST

Grade Level:	11	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

LIFE IN JESUS CHRIST

Grade Level:	11	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

The purpose of this course is to help students understand that it is through Christ that they can fully live out God's plan for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

LIVING AS A DISCIPLE OF JESUS CHRIST IN SOCIETY

Grade Level:	12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy is present in the Church's social teaching and mission.

ECUMENICAL AND INTERRELIGIOUS ISSUES

Grade Level:	12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize ways in which important spiritual truths can also be found in non-Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith.

WORLD LANGUAGE DEPARTMENT

GERMAN I (possible online option)

Grade Level:	9-12	Length:	Y	Pre-requisite:	None
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

This course introduces students to the language and culture of Germany, Austria, & Switzerland. The primary course-aim is to lay a foundation of basic skills in listening, speaking, reading and writing. Students will also study the history, customs, and culture of German-speaking people.

GERMAN II (possible online option)

Grade Level:	10-12	Length:	Y	Pre-requisite:	German I
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

Students will expand their knowledge, practice and experience of written and oral communication in German with an emphasis on more complex grammatical structures, additional vocabulary, history, geography and culture.

GERMAN III (possible online option)

Grade Level:	11-12	Length:	Y	Pre-requisite:	German II
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

Students will continue to further develop fluency in reading, writing, speaking, and understanding German through more sophisticated reading and writing assignments as well as in class conversational practice with the instructor as well as with one another. Students will also be introduced to the major themes, personalities, and events of German history, spanning the time of their first encounters and clashes with Roman civilizations up to the present day.

ITALIAN I

Grade Level:	9-12	Length:	Y	Pre-requisite:	
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

Students will be introduced to the Italian language with emphasis on grammar structures. Listening exercises will be introduced and students will develop speaking skills in Italian through conversation and answering questions. Students will read about the culture in Spanish speaking countries.

ITALIAN II

Grade Level:	9-12	Length:	Y	Pre-requisite:	Italian I
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

Students will be engaged in further development of Spanish I skills with increased attention to reading, writing and grammar. Vocabulary will be useful and practical so students may apply it to everyday conversation.

SPANISH I

Grade Level:	9-12	Length:	Y	Pre-requisite:	
Credit:	1	Periods Per Week:	5		
Weight:	None	Type:	E	Other:	None

Students will be introduced to the Spanish language with emphasis on grammar structures. Listening exercises will be introduced and students will develop speaking skills in Spanish through conversation and answering questions. Students will read about the culture in Spanish speaking countries.

HONORS SPANISH I

Grade Level:	9-12	Length:	Y	Pre-requisite:	Placement
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	E		

Students will be introduced to the Spanish language and will develop speaking, reading, writing and grammatical skills at an accelerated pace. Students will read about and discuss the people and culture of Spanish speaking countries.

SPANISH II

Grade Level:	9-12	Length:	Y	Pre-requisite:	Spanish I or Honors Spanish I or teacher recommendation
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will be engaged in further development of Spanish I skills with increased attention to reading, writing and grammar. Vocabulary will be useful and practical so students may apply it to everyday conversation.

HONORS SPANISH II

Grade Level:	9-12	Length:	Y	Pre-requisite:	Straight A's in both semesters of Spanish I or B average or above in Honors Spanish I
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	E		

Students will further the development of Spanish I skills with increased attention to speaking, reading, writing, grammatical and cultural skills and will continue to learn at an accelerated pace.

SPANISH III

Grade Level:	10-12	Length:	Y	Pre-requisite:	Spanish II or Honors Spanish II
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will further develop their reading, writing, speaking and grammatical skills through topics such as the life and people of Spain, short stories, literature, culture, current events, and projects. Speaking through everyday conversation will also be emphasized.

HONORS SPANISH III

Grade Level:	10-12	Length:	Y	Pre-requisite:	Straight A's in both semesters of Spanish II or B average or above in Honors Spanish II
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	E		

Continuing at an accelerated pace, students will increase conversational Spanish skills. They will further develop their reading, writing, speaking and grammatical skills. Students will study the history and culture of Spain through short stories, literature, culture, current events, and projects.

SPANISH IV

Grade Level:	11-12	Length:	Y	Pre-requisite:	Spanish III or Honors Spanish III
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will further develop their writing skills through a journal and compositions. They will also develop their speaking skills through everyday conversation and speeches. They will review grammatical skills and learn a few new topics. Students will learn about the culture and history of Mexico and various other Spanish speaking countries. Students will learn about the culture and history of Mexico and various other Spanish speaking countries through short stories, literature, culture, current events, and projects.

HONORS SPANISH IV

Grade Level:	11-12	Length:	Y	Pre-requisite:	Straight A's in both semesters of Spanish III or B average or above in Honors Spanish III
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	.5	Type:	E		

Continuing at an accelerated pace, students will increase conversational Spanish skills. They will further develop their reading, writing, speaking and grammatical skills. Students will learn about the culture and history of Mexico and various other Spanish speaking countries through short stories, literature, culture, current events, and projects.

LATIN I (possible online option)

Grade Level:	9-12	Length:	Y	Pre-requisite:	None
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will be introduced to the language, culture, history, and mythology of the ancient Romans. A major emphasis will be placed upon the fundamental vocabulary and grammar of the

Latin language, in addition to treatment of the wealth of Latin derivatives in the English language.

LATIN II (possible online option)

Grade Level:	10-12	Length:	Y	Pre-requisite:	Latin I
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

Students will continue to study Latin structure with increased emphasis on reading and translation, as well as history and culture. Vocabulary, mythology, Latin phrases, and English derivatives will continue to be important.

LATIN III (possible online option)

Grade Level:	11-12	Length:	Y	Pre-requisite:	Latin II
Credit:	1	Periods Per Week:	5	Other:	None
Weight:	None	Type:	E		

At this level, students will complete their survey of the grammatical structure of the Latin language, then proceed to apply what they have learned through the reading, translation, and analysis of Latin literature from both the classical and Christian epochs: classical authors may include Vergil, Ovid, Caesar, Cicero, Catullus, Plautus, Terrence; Christian authors may include St. Jerome's Vulgate (Latin translation of the Bible) and St. Augustine of Hippo.

OTHER REQUIRED COURSES FOR GRADUATION

FINANCIAL LITERACY

Grade Level:	11-12	Length:	S	Pre-requisite:	None
Credit:	.5	Periods Per Week:	5	Other:	None
Weight:	None	Type:	R		

Students will analyze fundamental economic theories, such as supply and demand, and learn about the interdependent roles of producers and consumers in the global marketplace. They will learn how to manage their monetary affairs by studying topics including credit, banking, insurance, and income taxes.

