

**MIDDLE SCHOOL
COURSE CATALOG**

2016 - 2017



HOLY CROSS
LUTHERAN ACADEMY

Mission Statement

Holy Cross Lutheran Academy is a Christ-centered community helping students and families to LIVE, LOVE, and LEARN.

Live: Empower the school community to grow and live as responsible Christian citizens.

Love: Nurture the faith of the school community to courageously show the love of Jesus in a changing world.

Learn: Educate the whole child while providing excellent academics.

Administrative/Guidance Team

Betty Hoyer.....	Director of Education
Shirley Geiss.....	Upper School/Principal
Sue Stark.....	Admissions Counselor
Trier Walters.....	Principal's Secretary

Holy Cross Lutheran Academy **COURSE CATALOG**

This catalog contains brief descriptions of courses offered at Holy Cross Lutheran Academy for students in grades 5-8. We offer a strong preparatory curriculum. Some courses are mandatory, some require pre-requisites, and others are electives. Electives are offered on a rotating basis depending on the number of students requesting that course each semester. Carefully consider academic decisions that affect your future, both personally and professionally. Students are free to select a variety of courses, so consider your future plans and pursue courses that are necessary and interesting. Remember, your actions today set the direction for your future tomorrow.

Also listed are **Advanced** courses. Students must be recommended by previous teachers and qualify for placement in these classes. **Advanced** classes are designed to cover the course requirements for credit and content in a subject area but also provide extra academic challenges requiring additional responsibility and work on the part of the enrolled students.

PREFACE

Students and parents are encouraged to read and review this course catalog. In addition, it is wise to consult with the Guidance Office and content area teachers to better understand each student's strengths and aptitudes when planning course selections and sequences. It is our goal at Holy Cross to guide each student to reach his or her highest potential academically, spiritually, physically and emotionally. Working together as a student, parent and school team we can insure correct course selection, effective work habits, and the development of perseverance and tenacity. The inclusion of balanced extra-curricular involvement is another key to a successful preparation for high school.

Grade Point Average (GPA)

Cumulative Grade Point Averages (GPA) are based on final grades and determined by dividing the total number of courses attempted into the total number of quality points earned.

Unweighted (4.0 scale)	A	B	C	D	F
	4	3	2	1	0
Grading Scale	A	B	C	D	F
	100-92	91-82	81-72	71-62	61-0

Student Progression Plan

Middle School Instruction - Holy Cross Lutheran Academy aligns with Concordia Curriculum Guide, Best Practices and SAT/ACT benchmarks. This provides students with academic objectives fulfilling preparation for high school and activities for integrating them with various aspects of the Christian faith.

Core Academic Program Requirements - Middle School students are required to receive instruction in Language Arts, Math, Science and Social Studies each year.

Advanced Courses - Enrollment in advanced courses is open to any student who wishes to take on the challenge of a more rigorous curriculum that prepares students for higher level courses in high school. The advanced course placement will be based on score, ability and teacher recommendation.

High School Credit Courses - Middle School students enrolled in a high school credit course (i.e. Spanish 1, Algebra 1, Geometry) can expect a rigorous curriculum and will earn a high school credit for each successfully completed course.

THEOLOGY DEPARTMENT

Religious instruction at Holy Cross Lutheran Academy has at its core the goal of sharing the Good News of Jesus Christ. All students at Holy Cross Lutheran Academy are required to take one year of religion for each year attended.

One in Christ - Grade 5

Activities include studies of God's Word, life-related activities, and memory verses to help students learn more about God's love for them in Jesus Christ. Pages give students a great opportunity to respond, review, reflect and record group interactions. Two facing pages are included for each lesson.

One in Christ - Grade 6

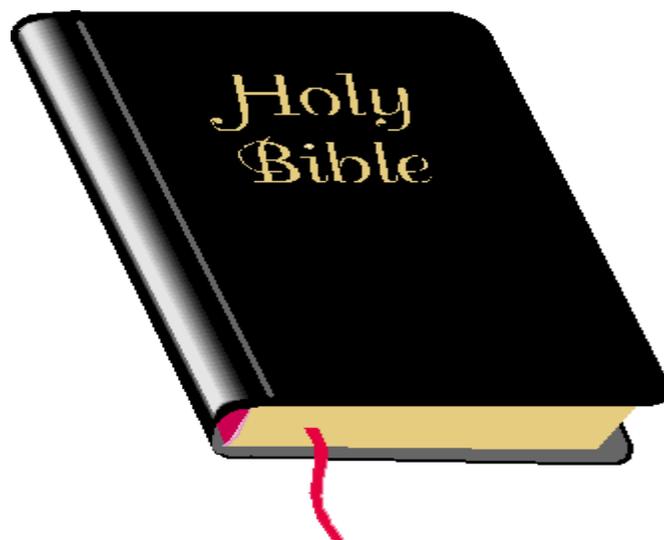
Memory verses, daily activities, and life-application stories give students an opportunity to reflect and respond to the material. Grade 6 One in Christ contains 100 lessons that present a sequential Bible survey of the Old and New Testaments.

Confirmation - Grade 7

Students will study the facets of the Lutheran faith through a Biblical curriculum. Seventh grade material consists of memorization creeds, doctrine and tenants to reaffirm the Lutheran Church-Missouri Synod. Students will have the opportunity to become a confirmed through the acknowledgment of their beliefs.

One in Christ - Grade 8

Memory verses, daily activities, and life-application stories gives students an opportunity to reflect and respond to the lesson. The appendix provides reference materials and study aids. Eighth-grade materials consist of one hundred lessons that present a sequential Bible survey of the Old and New Testaments.



ENGLISH DEPARTMENT

Language Arts - Grade 5

This curriculum integrates the study of grammar usage, mechanics, spelling, vocabulary, public speaking and literature. Reading skills will be reinforced through fiction, nonfiction, poetry, and drama. Students will enhance writing skills through expressive, narrative and informative writing. Oral communication skills will be practiced through formal and informal speeches.

Language Arts - Grade 6

This curriculum integrates the study of grammar usage, mechanics, spelling, vocabulary, public speaking and literature. Reading skills will be reinforced through fiction, nonfiction, poetry, and drama. Students will enhance writing skills through expressive, narrative and informative writing. Oral communication skills will be practiced through formal and informal speeches.

Language Arts - Grade 7

This curriculum integrates the study of grammar usage, mechanics, spelling, vocabulary, public speaking and literature. Reading skills will be reinforced through fiction, nonfiction, poetry, and drama. Students will enhance writing skills through expository and persuasive writing, literary response journals, and the practice of oral communication skills through formal and informal speeches.

Language Arts - Grade 8

This curriculum consists of reading, composition, speech, media literacy, literature and vocabulary development. Students will read a variety of genres (short stories, novels, drama, poetry, nonfiction) for content and meaning while practicing reading strategies. Students will enhance their writing skills through persuasive and expository writing, producing a variety of finished products, including poems, summaries, reviews, and essays. Students will be expected to recognize occasion, audience, and purpose when speaking formally and informally.

Literature Elective- Grade 7 or 8

This elective will encompass the study of literature, short stories, poetry and non-fiction. Students will focus on the in-depth study and comparison of classical literature and contemporary selections. Evaluation will be based on the level of critical analysis and rationale comparisons of readings. The elective will require at least 30 minutes reading a night.

Creative Writing Elective – Grade 6, 7 and 8

This elective will encompass the study of scientific, analytical writing, short editorial and creative writing. Students will focus on skills to further develop a love of writing, entering contests, learn to submit writing for publication and prepare for college application writing techniques.

SOCIAL SCIENCE DEPARTMENT

The Social Sciences Department offers not only courses required by the state of Florida for graduation, but a curriculum that prepares citizens for today's world. Electives are offered to round out the curriculum for the student with special interest in exploring additional social studies courses.

Social Studies 5:

The primary content for this course pertains to the engagement, information and the inspiration of students regarding our nation. The curriculum utilizes up-to-date, research based content making social studies more relevant. The curriculum partners with the National Geographic Society to ensure geographic literacy. This curriculum is matched with Concordia Standards and benchmarks.

World History Grade 6:

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

World Geography Grade 7:

The primary content for this course pertains to the physical geography and human geography of our world. Using Concordia Curriculum standards and interactive material, students will learn about people, places, culture and history. The course will utilize the five themes of geography. This course focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance - focusing on the environment, cultures, state-building, economic systems, and social structures - provide areas of historical inquiry for investigation throughout the course.

US History, Modern Times – Grade 8:

The primary content of this course motivates students, helps them understand the connections between recent world events and issues, and gives them an appreciation for the interconnectedness of the world's regions. Students will utilize study methods of inquiry and investigation to analysis events in modern history.

SOCIAL STUDIES



MATHEMATICS DEPARTMENT

The Math Department offers courses ranging from integrated mathematics to Algebra. Courses must be taken in sequence, and prerequisite skills must be mastered in order to insure success at each level of the curriculum.

Grade 5 Math:

This course is designed for grade-level math concepts, to include, but not limited to, fractions, decimals, mixed numbers, measurement and a strong foundation in preparation for grade 6 math.

Grade 5 Math Advanced:

This course is designed to develop an understanding of and the fluency with multiplication and division of fractions and decimals, ratios, rates, estimation, equivalent forms for decimals, fractions and percent. Write, solve and graph one and two step equations and inequalities as well as use tables, graphs and equations to describe linear equations. Explore measurements of composite two-dimensional figures and volumes of rectangular prisms. Determine and use measures to central tendency and variability to analyze data sets. (designed for students ready to master grade 6 math)

Math 1:

This course is designed to develop an understanding of and the fluency with multiplication and division of fractions and decimals, ratios, rates, estimation, equivalent forms for decimals, fractions and percent. Write, solve and graph one and two step equations and inequalities as well as use tables, graphs and equations to describe linear equations. Explore measurements of composite two-dimensional figures and volumes of rectangular prisms. Determine and use measures to central tendency and variability to analyze data sets. (Grade-level math)

Math 1 Advanced:

This course is designed to develop an understanding of and apply proportionality to solve problems involving percent. Apply formulas to determine surface areas and volumes of three dimensional shapes including pyramids, prisms, cylinders, and cones. Develop an understanding of operations involving integers and other rational numbers, as well as solving linear equations. Identify and plot ordered pairs in all four quadrants of the coordinate plane.

Math 2:

This course is designed to develop an understanding of and apply proportionality, similarity, and formulas to determine surface areas and volumes of three dimensional shapes including pyramids, prisms, cylinders and cones. Develop an understanding of operations involving integers and other rational numbers, as well as solving linear equations. Identify and plot ordered pairs in all four quadrants of the coordinate plane and predict the results of transformations. Convert between customary and metric systems. Construct and analyze histograms, stem-and-leaf plots and circle graphs. Determine, compare and make predictions based on experimental and theoretical probability of independent and dependent events.

Math 2 Advanced (Prerequisite: math 1 advanced)

This course is designed to develop an understanding of and apply proportionality, similarity, and formulas to determine surface areas and volumes of three dimensional shapes including pyramids, prisms, cylinders, and cones. Identify and plot ordered pairs in all four quadrants of the coordinate plane and will predict the results of transformations. Determine, compare and make predications based on experimental and theoretical probability of independent and dependent events. Construct and analyze histograms, stem-and-leaf plots and circle graphs. Analyze and represent linear functions and solve linear equations and systems of equations. Analyze and summarize data sets including box and whisker plots, scatter plots and lines of best fit.

Pre-Algebra:

This course is designed to analyze and represent linear functions and solve linear functions and solve linear equations and systems of equations. Analyze two and three dimensional figures by using distance and angle relationships. Analyze and summarize data sets including box and whisker plots, scatter plots and lines of best fit. Compare, contrast, and convert between customary and metric systems. Solve one and two step inequalities with one variable. Perform operations on real numbers using multi-step and real world problems.

Algebra 1 (high school credit)

This course is designed to provide the foundation for secondary math courses and develop skills needed to solve mathematical problems. Topics shall include, but are not limited to, functions, linear equations and inequalities, systems of linear equations and inequalities, polynomials, operations with radical expressions, solving quadratic equations, ratios, and proportions. (students not continuing with HCLA will be required to take the State of Florida EOC for 30% of the final grade).

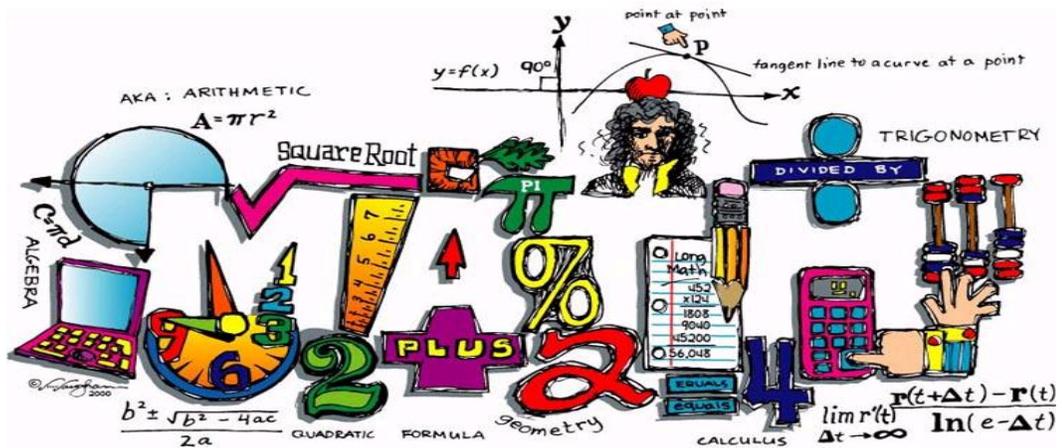
Algebra 1 Honors: (Prerequisite: Math 2 Advanced)

This course includes a rigorous, in-depth study of all topics included in Algebra 1, as well as absolute value equations and inequalities, operations with rational expressions, solving rational equations and characteristics of quadratic graphs. (students not continuing with HCLA will be required to take the State of Florida EOC for 30% of the final grade)

Algebra 2 (by invitation only)

In this course, students learn advanced properties, language and symbols of algebra to solve equations and inequalities with two or more variables, word problems, matrix operations and solutions of right triangles using right triangles. More emphasis will be placed on trigonometric functions and rational expressions.

- Prerequisites: Successful completion of Algebra I and recommendation of their Algebra I instructor, one high school credit, full year course



SCIENCE DEPARTMENT

Holy Cross Lutheran Academy offers a comprehensive and expanding science curriculum that is taught within the framework of our Christian beliefs and includes both classroom lecture and laboratory components. All grades work in conjunction with the Curtis Foundation, the Orlando Science Center and regional competitions to complete science projects, Kinetics projects, local and regional competitions.

Integrated Science – Grade 5

Designed for today's tech-savvy middle school students, the McGraw-Hill Education *iScience* program offers hands-on investigations, rigorous science content, and engaging, real-world applications to make science fun, exciting, and stimulating. This course combines Concordia curriculum benchmarks with McGraw-Hill grade-level standards.

Integrated Science – Grade 6

Designed for today's tech-savvy middle school students, the McGraw-Hill Education *iScience* program offers hands-on investigations, rigorous science content, and engaging, real-world applications to make science fun, exciting, and stimulating. This course combines Concordia curriculum benchmarks with McGraw-Hill grade-level standards.

Integrated Science – Grade 7

Designed for today's tech-savvy middle school students, the McGraw-Hill Education *iScience* program offers hands-on investigations, rigorous science content, and engaging, real-world applications to make science fun, exciting, and stimulating. Students move to STEM lab on a daily basis, conduct labs and inquiry-based learning. This course combines Concordia curriculum benchmarks with McGraw-Hill grade-level standards.

Integrated Science – Grade 8

Designed for today's tech-savvy middle school students, the McGraw-Hill Education *iScience* program offers hands-on investigations, rigorous science content, and engaging, real-world applications to make science fun, exciting, and stimulating. Students move to STEM lab on a daily basis, conduct labs and inquiry-based learning. This course combines Concordia curriculum benchmarks with McGraw-Hill grade-level standards.

Earth Science – Grade 8

This course involves a qualitative scientific study of the world that God has given us. As background, the earth's systems are studied with reference to the biological and physical sciences. The effect which man has had on those systems is observed through case studies. Proper stewardship of the environment is encouraged with the goal of developing more responsible citizens. Hands-on activities are used to encourage learning.

- Prerequisites: teacher recommendation
- Full Year Course (1 Credit)

FOREIGN LANGUAGE DEPARTMENT

Holy Cross currently offers Spanish as our main foreign language choice for students because of its wide range of use across our world and in the business arena, especially in our home state of Florida. Students at the middle school level receive instruction each year culminating with an exam in grade 8. Successful completion of this exam results in the award of one high school credit. Advanced students have the opportunity to test and earn this credit at grade 7 and move to high school Spanish II, based on grade and teacher recommendation.

Spanish – Grade 5

Spanish – Grade 6

Spanish – Grade 7

Spanish – Grade 8

These courses enable students to begin to acquire proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading, and writing skills and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the courses.

Spanish I – High School level course

This course introduces the student to the language and culture of Spanish speaking countries. Oral, written and reading comprehension study skills are stressed. The student should have the ability to memorize and have knowledge of English grammar.

- Prerequisites: At least a grade of C in Spanish at grade 7, successful completion of Spanish exam at grade 7, plus teacher recommendation
- Full Year Course (1 Credit)



PHYSICAL EDUCATION & HEALTH

The Physical Education Department strives to endow students with the knowledge and experiences to live healthy, productive, Godly lives. Knowing that our bodies are a gift from God and that we are to care for them and make good choices based on Scripture and good practice, students learn how to be physically active, participate in sports and follow good health habits.

Physical Education – Grade 5-8

This course includes a variety of physical fitness activities leading students to understand the importance of exercise to a healthy lifestyle. Students participate in a variety of experiences that enhance sports skills, cardiovascular endurance, and overall physical fitness through a wide range of individual and team sports in physical education. Emphasis is placed on students enjoying physical activity and learning lifetime skills to maintain wellness, while in a safe and healthy environment.

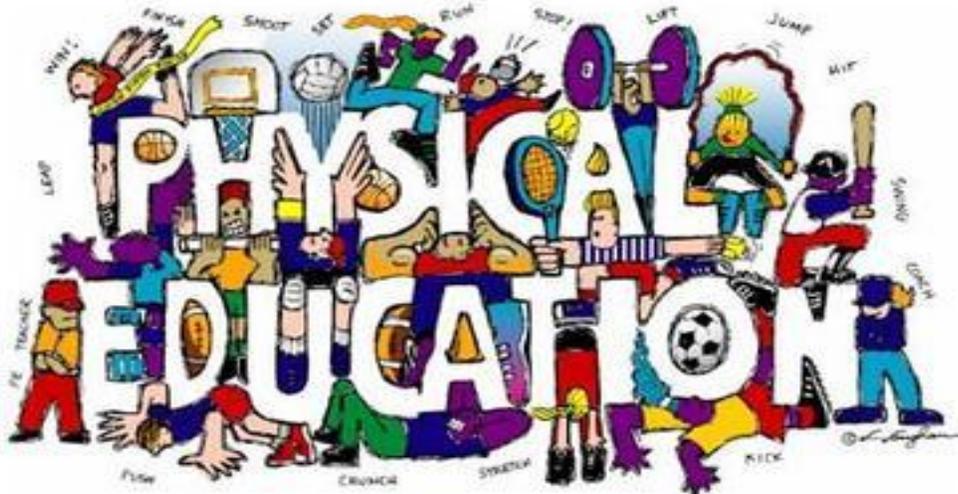
- *Required for all students each year*

Field Sports – Grade 5-7 (elective)

This course will provide students with the opportunity to learn lifetime activities that help maintain wellness. Students are to have fun and enjoy physical activity in a safe and healthy environment. Field sports will include: soccer, flag football, kickball, track and field and Gatorball.

Baseball/Softball – Grade 6-8 (elective)

This course will provide students with the opportunity to learn lifetime activities that help maintain wellness. Running and conditioning skills/strategies will be developed through the practice and play of softball/baseball.



FINE ARTS DEPARTMENT

The Art Department at Holy Cross Lutheran Academy is well recognized for both its quality and depth. Student artists display works in a variety of settings including the Heathrow Fine Arts Festival, local exhibitions and school shows. It is the goal of the Art Department to expose students to the variety of art media and formats, art history and genres, as well as develop individual interest, talent and skills.

Art 1 – grade 5-7 (one semester)

This is a beginning level art class. Students work with both 2D and 3D media in Art 1, the course will cover a large variety of material. Students will start the semester learning drawing techniques and color theory. Students will use these foundations as building-blocks for the semester. Students will create collage and mosaic work, many styles of self-portraits, Pariscraft masks, paper-mache animal masks, and ceramic projects.

Art 2 – grade 6-8 (one semester)

This course covers similar topics to Art 1, but at a more intense level and in a more rigorous nature. Students learn advance drawing techniques, including those used at high school and college level. By the end of this semester-long course, students will have developed a strong portfolio. It will include, but not limited to, portraiture, two-point perspective, clay, linoleum print making, and mask making.

- Prerequisite: Art 1 or teacher recommendation

Exploring Three-Dimensional Art (one semester)

Students learn three-dimensional forms through the exploration of natural, abstract, and synthetic sculptural forms using materials that may include, but are not limited to, clay, plaster, and mixed media for creative expression. These student artists develop perceptual, creative, technical, and problem-solving skills in a sculptural context as they design and produce works of art with personal expression. Students focus on use of safety procedures for process, media and techniques.

- Prerequisite: Art 2

Cartooning and Caricatures – grade 7-8(one semester)

Cartooning is an intensive drawing class. Students will draw daily and create a new book once a week, for the first nine weeks, on average. Students will learn a variety of drawing styles and also about the history of cartoons and comic drawings. Students will create original characters and include them in their Big Book project. In this project, the students will draw a twenty page comic, sew the pages to the spine, and learn how to successfully bind their book.

Art in Humanities – grade 7-8(one semester)

This course will provide instruction regarding how to look at, think about and engage in the visual arts. Focus on architecture, painting and other media, as well as the historical context. Includes a trip to the Art Museum.

Beginning Band – Grade 5-8 (yearlong)

Anyone can be successful and can play an instrument that is appropriate for that individual. No musical experience is required. Students will be provided instruction in the development of fundamentals of posture, tone production, breathing, instrument care, music reading, rhythm, musical terms and symbols, and proper performance techniques are taught.

Intermediate Band – Grade 5-8 (yearlong)

This course is open to students who have completed one full year of beginning band. Music fundamentals, tone production, and music theory are reinforced in the classroom environment. Students

will perform at various school, church and community functions. Participation in the Lutheran Schools festival is required.

- Prerequisite: Beginning Band or teacher recommendation

Advanced Band – Grade 6-8 (yearlong)

This course is open to all students who have completed one year of band or teacher audition. Advanced band enrollment requires a student's dedication to his/her personal musical development. Challenging wind ensemble literature is presented to the students. Students are required to perform at church, school and community functions. Musicians will also take part in Lutheran Schools Music festival.

- Prerequisite: Teacher recommendation

Musical Keyboarding – Grade 5-8 (yearlong)

This course introduces the student to reading and playing music on the keyboard instrument. The class focuses on beginning piano instruction. Students will learn fundamentals of the piano/keyboard technique and basic notation. This course is open to students with no previous piano instruction.

Drum Line – Grade 5-8(one semester) or (yearlong)

This course will provide students with the opportunity to study and master percussion instruments. Students will learn basic fundamentals to advance playing skills. All students will work on fall performance for the Christmas Ensemble and a spring performance for the Fine Arts Night. Students will be expected to take an active part in the Lutheran Schools Music Festival.

Praise Band – Grade 5-8 (yearlong)

This course is open to all students who have completed one year of beginning band, musical keyboarding and/or drum line. Vocalists are enrolled upon request. The students will further develop music fundamentals, music reading and theory. Students will perform for Chapel, Christmas Ensemble, Fine Arts Night, Lutheran Schools Music Festival, selected church services and work closely with drama productions.

Music Appreciation – Grade 5-8 (one semester)

This course will provide students with a broad and better understanding of music. Students will learn to read and notate music, learn music vocabulary and terminology, learn how to identify instruments by sight and sound, listen to and analyze music, learn about the history of music (from classical to current styles) and learn about music from different cultures.

Drama/Theatre 1 – Grade 5-8(one semester)

This course teaches students the basic elements of theater production and the dynamics of acting through voice and character development, scene analysis and performances opportunities. Students learn basic acting skills, such as presenting monologues, how to audition, improvisation, characterization, preparing a role, stage movement, and choreography. In addition, students are guided through various aspects of the production process from rehearsals to backstage crews to costuming and make-up techniques.

Drama/Theatre 2 – Grade 6-8(one semester)

This course is a continuation of Drama/Theater 1 and will instruct students in the essentials of performing, directing, and criticism. Students will continue to study acting, design, and dramatic literature to increase enjoyment and understanding of what is required to prepare plays for the public. Students will explore theatre history, study the great American playwrights, and examine the cultural and historical contributions to theatre. Performances for school, church and drama festivals are an integral part of the course.

Drama/Theatre 3 – Grade 7-8(one semester)

Audition/Director recommendation only

This is a performance troupe that is a continuation of Drama/Theater 2 and will teach students essentials of performing, directing, and criticism. Performances are an integral part of this course.

Improvisation – Grade 5-8(one semester)

Like watching - Whose Line is it anyway? Learn how to perform improv. Daily activities include improv games and improv scenes. This course will help develop your ability to do oral presentations. The class will perform for student body; "A Night of Improv."

Chorus 1 – Grade 5-8 (one semester)

This course will develop beginning vocal techniques and skills, critical and creative thinking skills, and an appreciation of music from around the world and through time. Students may be required to attend rehearsals and performances outside the school day.

Chorus 2 – Grade 6-8 (one semester)

This course will build on previous choral experience to expand vocal, technical, musical, and ensemble skills through rehearsal, performance, and study of high-quality choral literature. Singers focus on increasing knowledge of music theory, music literacy, and aesthetic response. Performances are an integral part of the course.

Chorus 3 – Grade 7-8 (one semester)

Students with previous choral experience build intermediate-level knowledge of vocal technique. The further development of musical literacy, ensemble skills and related musical knowledge through rehearsal, performance, and study of high-quality 2, 3, and 4 part choral literature. Performances are an integral part of the course.

HCLA Show Choir – Grade 5-8 (yearlong elective)

This course will provide students with the opportunity to learn vocal techniques, music notation, and performance techniques. The HCLA Show Choir will learn choreography and stage presence for performances at the Christmas Ensemble, Fine Arts Night, Lutheran Music Festival and community functions.

Creative Writing and Journalism – Grade 5-8 (one semester)

This course will provide students with the opportunity to develop creative writing ability and explore the art of writing. Emphasis will be on the development of personal writing style. Students will look to a variety of formats using the creative writing process; learn techniques for evaluating writing, editing, communication laws, grammar rules, news layout and design and fine writing skills. All students will be given the opportunity to develop their writing skills writing short stories, poetry, stories for technological gaming, films and plays.

Yearbook – Grade 6-8 (select enrollment only)

This academic course will develop skills in design, desktop publishing and photography. Students will work as a team in every aspect of producing a yearbook: writing, photography, database, and computer graphics.

World Mythology – Grade 6-8 (one semester)

This course will provide the students with the opportunity to study world myths, their nature, their function, their symbolism and artistic expression. Students will explore how myths relate to great human themes that run through the world's cultures.

Speech and Debate – Grade 5-8 (one semester)

This course will provide instruction in speech writing, speech presentation, and the fundamentals of debate. Students will learn about effective verbal and nonverbal communication skills. They will learn to construct, use and defend an argument in debate. They will assess their own public speaking skills, as well as the public speaking skills of their peers.

GRADE 5 REQUIRED COURSES

Computer Applications 1 – Grade 5 (one semester)

This semester-long course is designed to provide instruction in keyboarding, Internet, Google Docs, Spreadsheet, drive, sheets, slides, calendar, mail, search engines and soft skills for business and academic applications.

Introduction to Leadership – Grade 5 (one semester)

This semester-long course is designed to provide a foundation for growing leaders. It will provide instruction in the fundamentals of business, banking, advertising, the Stock Market, and the 7 Highly Effective Habits of Teens. The 7 Habits class provides students with a step-by-step framework boosting self-image, building friendships, resisting peer pressure, achieving goals, improving communication and relationships with parents, and the role they will play as a Christian in today's world.

TECHNOLOGY and SCIENCES

Video Production/HCTV News – Grade 7-8 (one semester)

This course will provide the students with the opportunity to develop various forms of video formatting, learn storyboarding techniques, compare and contrast lighting, initiate and develop "green screen" techniques, develop a news story, file and broadcast daily news.

Computer Applications 1 – Grade 6 (one semester)

This semester-long course is designed to provide instruction in keyboarding, computer hardware, Internet, electronic presentation, spreadsheet, and soft skills for business applications. The course will include cyber-safety, education on legitimate web sites, research possible technology related careers and laws regarding plagiarism.

Introduction to Forensic Science 1 – Grade 7-8 (one semester)

This course will provide students with the opportunity to engage in creative, problem solving and inquiry based approach. This course will incorporate multidisciplinary instruction using topics from biology, chemistry, physics, literature and earth sciences.

WEB Page Design 1 – Grade 7-8 (one semester)

This semester-long course is designed to provide an overview of the Internet, Intranet and the WWW. Students will be instructed on the concepts of XHTML, form creating and organizing Web documents, creating links and forms to more advanced topics, including Cascading Style Sheets, and basic programming with Java script.

Introduction to Marine Biology – Grade 6-8 (one semester)

This introductory course will examine the physical aspects of the oceans and fresh water systems. Students will study the physical and chemical properties of seawater, geological processes that form the ocean basins, sea floor and shoreline features. Introduction to the major groups of marine organisms and their interactions with fresh and salt water will be stressed. Interactive and discovery workshops will be an integral part of this course.

Robotics – Grade 6-8 (one semester)

The focus of this course will provide hands-on, minds-on program that uses challenges based on real world scientific problems to engage in research, problem-solving, and engineering. Students will design, build and program LEGO mindstorm robots to complete challenging missions on an obstacle course. (Students selected for competition team will be required to attend at least two competition events)

*Electives will be staffed based on student enrollment and scheduling.