

TRINITY LUTHERAN HIGH SCHOOL

COURSE OFFERINGS

AGRICULTURE

Animal Science provides students with an overview of domestic and farm animals. Topics covered include the management practices for the care and maintenance of both large and small animals.

Food Science provides students with an overview of food processing, food chemistry and physics, nutrition, food microbiology, preservation, packaging and labeling, food commodities, food regulations, issues and careers in the food science industry

Horticultural Science gives students a background in garden and flowers plant in the field of horticulture. It addresses the biology and technology involved in the production, processing, and marketing of horticultural plants and products.

Landscape Management provides the student with an overview landscaping and related areas. Students are introduced to the procedures used in the planning and design of a landscape using current technology practices.

Natural Resource Management introduces students to resource conservation practices. Topics covered include; air, energy, soil, water, wildlife, forestry, conservation, resource management, pollution, outdoor recreation and weather.

Plant and Soil Science provides students with a background of career opportunities available in production agriculture and related areas. Information covered includes plant growth, development and management of agricultural crops, as well as, an overview of our soil types and components.

ART

Ceramics is an intermediate level art course that focuses on the study of construction methods including basic hand-building, surface development, throwing, and glazing sculptural ceramic forms. Introduction to Two-Dimensional and Three-Dimensional Art is a prerequisite.

Computer Graphics is an intermediate level art course that focuses on the exploration of the computer as a creative tool for artists and designers. It familiarizes students with current design applications including Photoshop, Flash, and web design software. Students also utilize digital cameras and scanners. Introduction to Two-Dimensional and Three-Dimensional Art is a prerequisite.

Drawing is an intermediate level art course that focuses on the study of various drawing media and techniques. Media include graphite and colored pencils, pen and ink, charcoal, and pastel. Introduction to Two-Dimensional and Three-Dimensional Art is a prerequisite.

Introduction to Two-Dimensional and Three-Dimensional Art focuses on the study of the elements of art (line, shape, value, form, color, texture, and space) and the principles of design (balance, rhythm, unity, contrast, emphasis, pattern, and movement). Students learn to identify and apply these concepts while creating drawings, paintings, sculptures, and digital media projects. Media include graphite and colored pencils, pen and ink, charcoal, pastel, watercolor and acrylic paint, plaster, and clay.

Painting is an intermediate level art course that focuses on the study of various painting media and techniques. Media include watercolor and acrylic paint. Introduction to Two-Dimensional and Three-Dimensional Art is a prerequisite.

Sculpture is an intermediate level art course that focuses on the study of various sculpting media and techniques. Media include clay, plaster, wood, and metal. Introduction to Two-Dimensional and Three-Dimensional Art is a prerequisite.

ENGLISH

American Literature is designed to explore great authors of American literature, both in written and oral form, in the context of the time period in which they wrote. Throughout this course students will encounter various authors and their time periods including Emily Dickinson, Abraham Lincoln, Carl Sandburg, Arthur Miller, Ernest Hemingway, Nathaniel Hawthorne, and F. Scott Fitzgerald.

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AP Language and Composition is designed to teach the fundamentals of rhetoric and logic through college-level reading and writing. It includes the study of visual media in the form of photographs, films, advertisements, cartoons, and documentaries, as well as print media, specifically non-fiction. This course builds on and partners with the AP English Literature and Composition course also offered to Trinity students.

AP Literature and Composition is designed to teach the fundamentals of rhetorical analysis through college-level writing and thoughtful response to literature. Students learn to recognize and explain the effectiveness of literary devices and the way language is used to make meaning. Focusing primarily on works of fiction, this course builds on and partners with the AP English Language and Composition course.

British Literature is designed to explore great authors of British Literature, both in written and oral form, in the context of the time period in which they wrote. British Literature will assist students in developing their own critical thinking, analysis, and exploratory processes as readers, writers, and speakers. Students will create literature of their own through writing, visuals, and a variety of oral presentations.

Drama I focuses on theater as “action”, students will “do” drama. They will act. They will create. They will work. Through this work students will learn a variety of terms and discover how a production comes to be. Also essential will be theater as an “idea.” Students will analyze characters and their actions, discover the theme of a play, and decide how it might be portrayed. Students will also discover the historical significance of theater and the impact certain actors have had on society.

Drama II Students taking Drama II have already met the requirements of Drama I and have participated in a previous play or musical at TLHS. Students should have experience in performance or other production aspects. Drama II students will be expected to participate in the fall production and will be given leadership opportunities in the musical after conferencing with the Drama teacher. Drama II students will also participate in research and explore different types of performance as individuals and in groups.

English 9 focuses on reading & analyzing classical novels of various time periods, composition, vocabulary (beginning with Greek, Latin, prefix and suffix word roots and origins), daily oral language, capitalization and punctuation, writing a short research paper, and oral presentations.

English 10 reinforces and continues to make full use of many of the activities and skills of *English 9*. *English 10* focuses on identifying & analyzing different elements of literature, writing short stories, poems, compositions, and an in depth research paper, vocabulary, grammar usage, daily oral language, and oral presentations.

Speech is designed to introduce students to various forms of communication, both formal and informal, and give them opportunity to explore these forms. Students will be reminded of the communication process, the purpose behind various forms of communication, and the goals of public speaking. Each student will participate formally in several public speaking opportunities and will observe and evaluate a variety of formal and informal speaking settings.

HEALTH

The main goals of this class are to acquire, interpret, and understand basic knowledge of health information. We will focus on the relationship that exists among physical, mental, emotional, spiritual, and social health. Students will learn that their decisions affect all of those areas of health. The decisions that students make can promote their health and their enjoyment of life now and in the future.

HISTORY

Economics includes a study of the allocation of scarce resources and their alternative uses for satisfying human wants. This course examines basic models of decision making at various levels and in different areas including: (1) decisions made as a consumer, producer, saver, investor, and voter; (2) business decisions to maximize profits; and (3) public policy decision in specific markets dealing with output and prices in the national economy.

United States Government provides a framework for understanding the nature and importance of responsible civic participation and for learning the rights and responsibilities of individuals in a constitutional democracy. The course enables students to explore the historic origins and evolution of political philosophies into contemporary political and legal systems. Constitutional structure and the processes of the legislative, executive, and judicial branches of the national, state, and local levels of government are examined. Students learn to draw conclusions about the impact and interrelationships of history, geography, and economics upon our system of government. They also learn to demonstrate an understanding of the governmental structures of the United States and other political systems, as well as the relationship of American government to world affairs. Students learn to analyze the roles of individuals and groups in the political process by identifying and analyzing political issues. They also learn to access data from primary and secondary resources and use current technology to access relevant source materials and as a tool for producing documents in support of learning projects. Students have opportunities to take, defend, and evaluate positions on current issues that impact political decision making. They should understand their ability to influence policies and decisions as individuals and in groups. The study of United States government also offers students opportunities to develop knowledge, inquiry skills, and the means to preserve and improve our constitutional democracy.

United States History I and II

United States History I emphasizes pre-Colombian, colonial, and early national history to the Civil War. United States History II emphasizes national development in the late nineteenth and twentieth centuries and builds upon concepts developed in US History I. Students in these courses also identify and review significant events, figures, and movements in the development of the nation. After providing such a review, these courses give major emphasis to the interaction of historical events and geographic, social, and economic influences on national development. A chronological, topical, or comparative approach can be used in developing themes from America's past as they relate to life in Indiana and the United States today. Students demonstrate the ability to trace and analyze chronological periods and examine the relationships of significant themes and concepts in United States history. Students will be able to sequence historical events, examine cause and effect, identify different perspectives, and relate historical situations to current issues. Opportunities are given to develop inquiry skills by gathering and organizing information from primary source material and a variety of historical and contemporary sources, accounts, and documents. Investigation of themes and issues include analysis of the importance of cultural pluralism and diversity of opinion in American society. Students learn to exercise their skills as citizens in a democratic society by engaging in problem solving and civic decision making in the classroom, school, and community settings.

World History and Civilization provides for a study of selected world cultures, past and present. The content of this course provides a basis for students to compare and analyze patterns of culture, emphasizing both the diversity and commonality of human experience and behavior. This course emphasizes the interaction of local cultures with the natural environment, as well as the connections among civilizations from the earliest times to the present. This course is designed to focus on: (1) prehistory; (2) early world civilizations, including the rise of civilizations of the Middle East, Africa, and Asia; (3) the classical civilizations of Europe, Asia, Africa, and Latin America; and (4) the development of modern societies

MATH

Algebra I provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: (1) operations with real numbers, (2) linear equations and inequalities, (3) relations and functions, (4) polynomials, (5) algebraic fractions, and (6) nonlinear equations.

Algebra II is a course that extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) algebraic fractions; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principles and probability.

Calculus is a two-semester course in which students will learn techniques of differentiation and integration. The techniques of Calculus are used every day in engineering, business, and science. We will be working examples of these applications throughout the course. Calculus is a challenging course, but it is also a very exciting course. You will need to recall and be able to use many algebraic and geometric concepts to complete your work.

Geometry provides students with experiences that deepen the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures includes the study of: (1) angles, (2) lines, (3) planes, (4) congruent and similar triangles, (5) trigonometric ratios, (6) polygons, and (7) circles and spatial drawings. An understanding of proof and logic is developed. Use of graphing calculators and computer drawing programs is encouraged.

Physics is designed to help gain a greater appreciation for the work that scientists have done in understanding the physical world that God has created. Students will obtain knowledge of the principles and concepts on which physics is based. Throughout this course students will develop the ability to solve problems involving the principles and concepts as outlined by the Indiana State Academic Standards.

Pre-Calculus is a year-long course that is designed to help students grow in their study of mathematics by connecting to previous skills learned in algebra and by developing new skills that are linked to other branches of mathematics, such as trigonometry, to prepare the student for the study of Calculus.

MUSIC

Concert Band is a two semester course for students in grades 9 – 12. This course will develop the instrumental skills of the student while exploring a variety of instrumental musical styles and genres. Concert Band is a “co-curricular” class due to the performance opportunities outside of the school day. Concert Band will include participation in marching band, pep band, jazz band, chapel and church services, and ISSMA (contest).

Concert Choir is a two semester course for students in grades 9 – 12. This course will develop the vocal skills of the student while exploring a variety of vocal musical styles and genres. Concert Choir is a “co-curricular” class due to the performance opportunities outside of the school day. Concert Choir will include participation in the musical, swing choir, chapel and church services, and ISSMA (contest).

Guitar is a two semester course for students in grades 9 – 12. Guitar class will provide a positive learning experience for each student through the development of guitar skills. Acoustic guitars and method books will be provided. Guitar class will allow the student to explore a variety of musical styles, including, rock, jazz, blues, country, folk, and classical, while performing as a soloist and in ensembles.

PHYSICAL EDUCATION

The main goals of physical education are to provide a wide variety of experiences that will help students develop a positive outlook toward lifelong physical activities. The class stresses development of skills in a wide variety of activities to encourage students to find ways to enjoy physical activity in leisure time and to develop awareness of the importance of personal fitness.

SCIENCE

Biology I is a two semester lab science that gives the student the basic skills, knowledge, concepts and applications to prepare them for life. Topics covered are ecology, cell processes, genetics, evolution, taxonomy and human biology. Projects and labs are due each semester.

Biology II (Advanced Biology) is a two semester lab science for college bound students. The course offers an in depth view into chemical and cellular processes, energy systems, compounds, inheritance and DNA, taxonomy, and body systems. Labs reports and special projects are required.

Chemistry I This course provides students with a modern view of the fundamental concepts of chemistry. Topics include matter and energy, atomic structure, bonding, the periodic table, the mathematics of chemistry, kinetics and equilibrium, acid-base theories, redox reactions, and organic chemistry. Students participate in various laboratory activities and develop detailed lab reports.

SPANISH

Spanish I is an introduction to the four basic language skills – listening, speaking, reading, and writing. Students master the vital communication skills of greetings and goodbyes, describing people and objects, expressing like or dislike, asking questions, and using the present tense.

Spanish II builds upon the language skills learned in Spanish I. Students master expressing reflexive actions, storytelling, and speaking in the past and present tenses.

Spanish III builds upon the language skills learned in Spanish I and II. Students master expressing emotions and uncertainty, and forming complex phrases in the past, present, and future tenses. Students are encouraged to speak and write in Spanish at all times.

Spanish IV strengthens the language skills learned in Spanish I, II, and III. Students are expected to speak and write in Spanish. Vocabulary and grammar continue to be the core of the curriculum, but research projects, authentic cuisine, media, and music are supplementary sources of learning. These activities are tailored to the interests of the class.

THEOLOGY

Theology I is a two-semester course for students in grades 9 and 10. The primary focus of Theology I is the Christ-centered study of fundamental historic, thematic, and theological aspects of the Old Testament of the Holy Bible. Students also will initiate a regular ongoing four-year Bible reading plan, and will demonstrate knowledge of Scripture through regular memory of selected passages, and through quizzes over the Bible reading plan assignments.

Theology II is a two-semester course for students in grades 9 and 10. The primary focus of Theology II is the Christ-centered study of fundamental historic, thematic, and theological aspects of the New Testament of the Holy Bible. Students also will continue a regular ongoing four-year Bible reading plan, and will demonstrate knowledge of Scripture through regular memory of selected passages, and through quizzes over the Bible reading plan assignments.

Theology III is a two-semester course for students in grades 11 and 12. The primary focus of Theology III is the history of the Church, including Early Church history and the Reformation, and basic doctrine of the Lutheran Church. An introduction to apologetics is initiated with an introduction to the study of other religions and heretical teachings. Students also will continue a regular ongoing four-year Bible reading plan, and will demonstrate knowledge of Scripture through regular memory of selected passages, and through quizzes over the Bible reading plan assignments.

Theology IV is a two-semester course for students in grades 11 and 12. Emphases of Theology IV are an advanced study of Lutheran doctrine, apologetics, and Scriptural teaching related to contemporary issues. Students also will continue a regular ongoing four-year Bible reading plan, and will demonstrate knowledge of Scripture through regular memory of selected passages, and through quizzes over the Bible reading plan assignments.