

## Middle School Curriculum Map

	<b>6<sup>th</sup> Grade</b>	<b>7<sup>th</sup> Grade</b>	<b>8<sup>th</sup> Grade</b>
<b>Science</b>	Full Option Science System (FOSS)-6	FOSS-7	FOSS-8
<b>Social Studies</b>	History-6	History-7	WV Studies
<b>Math</b>	Math-6 and Math lab	Math-7 or Pre-Algebra, and Math lab	Pre-Algebra or H-Algebra-1
<b>Language Arts</b>	LA-6 & Writing lab	LA-7 & Writing lab	English/LA-8
<b>Bible</b>	The New Testament	The Life of Christ	The Attributes of God

*Trinity Christian School integrates Biblical truth  
and an appreciation for God's creation in each subject.  
Our teachers strive to assist students in their spiritual growth  
while attaining mastery of course objectives.*

## **SCIENCE COURSE DESCRIPTIONS**

The **Full Option Science System™ (FOSS)** philosophy is to engage students in science through active learning. Each edition shares the same research-based strategies that the FOSS developers at the Lawrence Hall of Science have been refining for more than 25 years. FOSS uses a variety of laboratory activities that allow students to develop lab techniques while adding to their conceptual understanding of science. At Trinity, we use the FOSS science program for K-8 Science. The design of FOSS includes active investigation, documentation in science notebooks, reading and researching, and assessments to monitor progress and promote student reflection.

### **FOSS Science-6**

Grade 6 topics include Weather and Water, Planetary Science, Waves, and Populations and Ecosystems.

### **FOSS Science-7**

Grade 7 topics include Earth History, Variables and Design, Electromagnetic Forces, and Diversity of Life.

### **FOSS Science-8**

Grade 8 topics include Kinetic Energy and Gravity, Human Systems and Interactions, Heredity and Adaptations, and Chemical Interactions.

## **SOCIAL STUDIES COURSE DESCRIPTIONS**

### **History-6**

This course is an overview of history and geography from the pre-historic age through the Renaissance. Emphasis is placed on culture and religion in the civilizations studied. Students learn about geographic regions through geography skills development. Economic knowledge builds to include the growth of mercantilism and the rise of the middle class. Students classify and compare various forms of government and the relationship of nationalism and patriotism to those governments.

### **History-7**

This course expands the role of citizenship and patriotism. Students learn about the roles and functions governments play on world events and organizations that help resolve conflicts. Students use both current and historical maps to explain the effects that major events have on political boundaries around the world. Students learn how trade and trade organizations, technology, and renewable and nonrenewable resources as well as world conflicts affect the economy. Students study the civilizations of the Eastern World, Africa and the Americas from beginnings to the modern era.

### **West Virginia Studies**

Eighth Grade West Virginia Studies engages students in the comprehensive study of West Virginia. Special emphasis is placed on the interdependence of geographic, cultural, political, environmental and economic factors affecting the development and future of the state. Students develop empathy for citizens worldwide as they demonstrate connections and loyalty to homeland. Students become economically literate to understand West Virginia's global connectivity in the marketplace both as a producer and a consumer of international goods and services. Students synthesize their information to predict the future development and evolution of their state. The 8<sup>th</sup> Grade takes a 2-3 night trip along with several day trips during the year. These are designed to introduce students to important historical sites throughout the state of West Virginia. The 8<sup>th</sup> Grade participates in a program called "Youth and Government" where students spend three days in Charleston participating in the state government process. This takes place near the end of the legislative session. The Golden Horseshoe Test is administered in the spring.

## **MATH COURSE DESCRIPTIONS**

### **Math 6**

Math 6 places emphasis on the study of whole numbers, decimals, and fractions with real world application. Probability, ratios and proportional reasoning, statistics, geometry, and pre-algebra will also be stressed. Students in Math 6 continue to advance their proficiency in all basic mathematical areas. Students also learn to use correct mathematical notation and learn how to justify their answers by writing down the process used to arrive at the answer. This course includes an additional period for Math Lab, used for individualized instruction.

### **Math 7**

Math 7 emphasizes the five following main areas: (1) understanding and applying ratios and proportional relationships, (2) operations with rational numbers and percents, (3) working with expressions and linear equations, (4) solving problems involving geometric figures, surface area, and volume, (5) statistics and probability. Upon completion of Math 7 students are prepared for Pre-Algebra or Algebra 1. This course includes an additional period for Math Lab, used for individualized instruction.

### **Pre-Algebra**

Pre-Algebra covers the study of variables, expressions, solving equations and inequalities, factors, fractions, exponents, rational numbers, probability, percents, and linear functions. Students in Pre-Algebra are given a strong foundation in algebra while also preparing them for future study of geometry, probability, and data analysis. This course develops students' logical reasoning and problem solving skills. The 7<sup>th</sup> grade Pre-Algebra course includes an additional period for Math Lab, used for individualized instruction.

### **H-Algebra 1**

This area of study introduces the fundamental concepts of algebra. Concepts included are evaluation of expressions, properties, solutions of equations, graphing, factoring, and operations with radicals. Students taking this course complete the course objectives, take semester exams and receive high school credit for the course.

## **ENGLISH COURSE DESCRIPTIONS**

### **Language Arts 6**

Language Arts 6 is a combination of language arts and study skills. The literacy skills of reading, writing, speaking, listening, comprehending, and thinking are taught. Students gain practice in grammar, punctuation, spelling, and writing skills. Assignments include the writing modes: persuasive, narrative, expository, descriptive and imaginative. The writing process includes ideas and content, organization, sentence fluency and voice. The Study Skills emphasis provides students the tools to be more successful in school. Students receive direct instruction in the following skills: Pleasing Behaviors, Learning Styles, Time Management, Organization, Note Taking, Memory, Reading, Writing, Test Taking, Vocabulary, and Listening. Class assignments reinforce the correct implementation of these skills. This course includes an additional period for Writing Lab, used for individualized instruction.

### **Language Arts 7**

Language Arts 7 is a combination of language arts and study skills. The literacy skills of reading, writing, speaking, listening, comprehending, and thinking are taught. Students gain practice in grammar, punctuation, spelling, and writing skills. Assignments include the writing modes: persuasive, narrative, expository, descriptive and imaginative. The writing process includes ideas and content, organization, sentence fluency and voice. This course includes an additional period for Writing Lab, used for individualized instruction.

## **English/Language Arts 8**

Language Arts 8 is a combination of language arts and literature. The language arts focus encourages the development of vocabulary and writing skills using correct conventions, incorporating colorful and specific word choices, developing complete and varied sentence fluency, and cultivating the individual voice of the student. A wide variety of writing experiences facilitate this development. The literature focus encourages understanding and appreciation of language as it is presented in short stories, novels, plays, poems and nonfiction selections. Personal connections, interpretations and responses to literature are made to show understanding of the text.

## **BIBLE COURSE DESCRIPTIONS**

### **Bible-6: The New Testament**

This course is an overview of the New Testament, in which major Bible concepts from each New Testament book are presented and discussed. The course also ties the Old Covenant of the Old Testament to the New Covenant of the New Testament. Opportunities are presented for students to apply Bible truths to their lives, connecting biblical principles with real-life needs. Personal application and reflection is required as students are encouraged to develop their Christian walk. Practical methods for handling everyday situations in a way that is pleasing to the Lord are developed.

### **Bible-7: The Life of Jesus**

This course is an in-depth study of the Life of Christ. Students will read and analyze significant passages from scripture that provide principles for personal application. Instruction will be focused on Bible Study using the Bible as a primary resource. Study of Old Testament prophecy and New Testament miracles, parables, and testimony of the followers of Christ provide opportunities for sharing and spiritual growth. Students also study the lives of the apostles as they continue the Great Commission study. Personal application and reflection is required as students are encouraged to develop their Christian walk. Practical methods for handling everyday situations in a way that is pleasing to the Lord are developed.

### **Bible-8: The Attributes of God**

This course is a study of the nature and character of God and is designed on the premise that the more we know and understand God through a careful study of His Word, the greater will be our personal challenge to maintain a right relationship with Him. Instruction is focused on Bible Study and using the Bible as a resource toward developing an attitude of servanthood and compassion. Personal application and reflection is required as students are encouraged to develop their Christian walk. Practical methods for handling everyday situations in a way that is pleasing to the Lord are developed.

## **MIDDLE SCHOOL ELECTIVES**

All middle school students have one elective in which they participate for the entire school year. Electives are choir, band, art, STEM & coding, and drama. Others options may be added as available.

## **FOREIGN LANGUAGE**

All 8<sup>th</sup> grade students take the first year of a foreign language, specifically Spanish-1. They complete the course objectives, take semester exams and receive high school credit for the course.

## **MIDDLE SCHOOL ROTATIONS**

All middle school students have a class period each day of a rotation course. These are six different courses, each taken for a 6-week period. The rotation classes include keyboarding, computer, study skills, art, physical education, FLEX (foreign language exploratory), health, and career exploratory (8<sup>th</sup> grade only). Other options may be added as available.

## **MIDDLE SCHOOL STUDY HALL**

If students find they need time to complete assignments, they have the option to attend a study hall. Study Hall for middle school students will be offered 7:30-7:47 before the school day begins and during middle school lunch. Students will be supervised and may bring breakfast or lunch to eat as they are working. They may also leave when they feel they are finished, with the permission of the supervising teacher. This time is open and optional for any middle school student on any day of the week. Earlier morning times may be arranged in advance with the supervising teacher.