



SEVENTH GRADE CURRICULUM

IN SEVENTH GRADE MATH the students will:

- learn algebraic thinking: properties, order of operations, opposites
- learn ratio and proportion: unit rates, proportions, scales, similar figures
- understand percent and applications of percent, e.g., interest, discount, markup
- learn angles and triangles: types, drawing, measuring, pythagorean theorem
- solve for area of polygons, surface area and volume of polyhedrons
- learn simple and compound probability
- measure, organize, and evaluate statistical data

IN SEVENTH GRADE READING/LANGUAGE ARTS the students will:

- identify and integrate proper grammar in writing
- create and analyze writing in various literary genres using the *Institute for Excellence in Writing* (IEW) program
- gather facts and information to organize a research paper with in-text citations
- read and critically respond to a variety of fiction and non-fiction texts
- analyze plot and conflict, characterization, setting, and mood
- examine theme and symbolism in imaginative literature with regards to a Catholic worldview

IN SEVENTH GRADE SCIENCE the students will:

- explore the Scientific Method, technology and the Engineering design process
- study Earth's water; its properties, the water cycle, oceans and human impact
- learn about Earth's atmosphere; its layers, wind, energy transfer and human impact
- develop an understanding of the elements and influences of weather and climate
- analyze the Earth, Moon and Sun system to explain the seasons, tides and eclipses
- classify Earth's biomes and ecosystems, the role of energy within these systems and how they change over time

IN SEVENTH GRADE SOCIAL STUDIES the students will:

- study and compare the following cultures from prehistory to AD 1600: India, China, Egypt, Greece, Rome, and African nations
- students will study primary source documents such as biographies, laws, and visual sources to help them understand history from varied perspectives
- study of Christendom and the effects of the spread of the Catholic faith

IN SEVENTH GRADE RELIGION , the students will:

- understand theological concepts such as salvation, revelation, last things, etc.
- participate in adoration, Lectio Divina, Advent and Lenten devotions
- study the life of Christ through the Gospel of St. Matthew
- learn the Paschal Mystery: the suffering and resurrection of Jesus
- recognize the institution and Importance of the Eucharist and the Mass

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Seventh Grade Highlights

Autobiographical sketch
March for Life essay
Rosary procession
Christmas pageant
School play and Passion Play
May crowning
Power of the Pen
Virtue Education Program
Spelling bee contest
STEM-based learning
Science fair project
Science labs and dissections

Specials & Enrichments

Latin
Typing
Music, Fine Arts, and Ceramics
Creative writing
Physical education