

# 7th Grade Curriculum



## RELIGION

The focus is devoted to the study of God's saving love through His Son, Jesus Christ and is designed to have the students grow in their knowledge of Jesus in order to establish a lasting relationship with Him. Students will also be studying the Sacraments of the Catholic Church.

## MATH

Students are using Glencoe McGraw-Hill Mathematics Applications and Concepts Course 2 OR Pre-Algebra which is a comprehensive program encouraging students to learn mathematics by doing mathematics, by using and connecting mathematical ideas, and by communicating about mathematics through writing and discussion. Our curriculum prepares Middle School students for success in high school. The Pre-Algebra and Algebra classes have access to the e-book and may use this resource in class. Additionally, students use a website called IXL which is a comprehensive math review site with an unlimited number of practice questions in hundreds of skills — all of which are aligned to state standards.

## TECHNOLOGY

*Microsoft Office Suite: Word, Publisher, Excel and PowerPoint* to create various curriculum-based projects. Review of how to create graphs using Excel and how to sort and calculate data in an Excel spreadsheet. Advanced graphing techniques and how to sort data by more than one criterion. Using PowerPoint, students will review animation, sound, timing, and music. Action buttons and hyperlinks to produce an educational game show. Movie Maker to produce and save a movie with music. *Internet* for research. Students will also use Google Apps for Education.

## SOCIAL STUDIES

- Issues and events which changed the course of the history of the New World from European exploration to the Civil War.
- Interpret maps and images from the Revolutionary and Civil Wars
- Recognize the establishment of the Colonies

## SCIENCE

Matter, atoms, elements, compounds, mixtures, states of matter, physical and chemical properties and changes, atomic structure, chemical bonds, chemical reactions, solutions, acids, bases, organic compounds, chemical formulas and equations, motion, forces and momentum, fluids, simple machines, energy, thermal energy, electricity, circuits, electronics, magnets, waves, sound, light. Weekly labs follow lessons given in class enabling hands on success.

## READING

Paired fiction and nonfiction, poetry and drama. Develop skills in creative writing and oral interpretation of literature. One high point of the seventh grade year is our annual "Poetry Coffee House" at which students read their original poetry.

## LANGUAGE ARTS

Grammar, punctuation, word usage, parts of speech, editing, rules of punctuation IXL incorporated into curriculum. Students practice the three basic forms of writing: persuasive, informative, and narrative. They learn to research and organize information, how to write a thesis statement and support it with facts.

## SPECIALS

Weekly specials include French, Physical Education, Music, Art, Computers, Library. Seventh grade students visit the N.J. States House in Trenton.

### Hands on Science Labs



### Civil War Comes Alive



### National Junior Honor Society



### Hour of Code

