

St. Mary of Gostyn School

Grade 5 Curriculum Guide



Social Studies

Fifth grade students prepare for their role as informed citizens in a democratic society.

The focus will be:

- Geography/Map Skills
- Explorers
- American Colonies
- American Revolution
- Industrial Revolution
- Westward Movement
- Civil War
- Economic Weekly

Religion

Fifth graders will learn through stories, activities, scripture, prayer, discussion, and reflection about their Catholic faith. Catholic values are discussed and integrated not only in Religion, but in all classes.

- Sacraments
- Morality
- Family Life Program
- Local and diocesan church structure
- God, Jesus Christ, and the Holy Spirit
- Planning, assisting in liturgy and other forms of worship
- Faith Buddies with Kindergarten

Music

Grade 5 students will be able to:

- Further performance ability on recorders
- Perform music written in several time signatures
- Identify musical forms such as binary, rounded binary, and Ternary
- Write rhythmic notation on the staff in 4/4, 2/4 and 3/4 time
- Demonstrate syncopation and polyrhythm in a small group

Emphasis on performance of standard music notation via recorders and the study of rhythmic notation.

Spanish

The focus is on:

- History/geography of Latin America/Spain
- Grammar/Spelling/Pronunciation
- Conjugating Verbs

Physical Education

In fifth grade, students learn and explore factors that affect a healthy lifestyle. Students will:

- Maintain personal fitness
- Develop muscle strength, endurance, and flexibility
- Use rules, safety and strategies of sports and games
- Demonstrate sportsmanship and participation in sports and games

Science

Students will engage in science and engineering practices to develop a conceptual understanding of earth, life, and physical sciences, and their connections, using inquiry and engineering design. Scientific inquiry involves the formulation of a question that can be answered through investigation. Engineering design involves the defining of a problem that can be solved through design of a solution. Science, Technology, Engineering, and Math – STEM – are interwoven and integrated into lessons, as they exist in everyday life. Students will use knowledge gained from different subject areas and apply this learning in different situations to build understanding, retention, and skill.

All students will:

- Research, investigate, develop explanations, design, and model solutions to problems
- Engage in discussion and use evidence to explain and argue
- Demonstrate knowledge of lab safety and proper use of scientific equipment
- Use computer technology to take notes, research, investigate, problem-solve, and report
- Develop and write a lab report to communicate *and explain* experimental findings

Fifth grade students will study:

- Earth's Place in the Universe
- Earth's Systems
- Earth and Human
- Engineering Design
- Molecules
- Ecosystems
- Matter
- Motion
- Energy

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Math

Fifth grade students acquire a knowledge of mathematics and the ability to apply math skills to solve problems through the use of the text McGraw-Hill My Math, extended activities and hands-on experiences. The publisher offers information and activities at their website <http://connected.mcgraw-hill.com/>

Fifth grade math standards include:

- Numerical expressions, patterns, and relationships
- The place value system to the thousandths place
- Operations with multi-digit whole numbers and decimals
- Operations with fractions and mixed numbers
- Measurement in customary and metric systems
- Volume
- The Coordinate plane
- Two-dimensional and three-dimensional figures

Language Arts/Writing

The Language Arts Program includes reading, writing, speaking, listening and the study of literature. The components of the program emphasize the development of those skills that allow students to read with fluency, comprehend and interpret written materials, communicate well, and listen and speak effectively. The skills acquired and understood are applied and reinforced in all content areas. The textbook used for reading is McGraw-Hill Reading Wonders. The publisher offers information and activities at their website <http://connected.mcgraw-hill.com/>

Reading/Literature:

Children through the series experience authentic literature in the form of poetry, folktales, nonfiction, fiction, biographies, fantasies and plays. Reading fluency will develop and improve as students are presented with the following skills:

- Understanding cause and effect
- Understanding plot
- Identifying figurative language
- Sequencing events of a story
- Analyzing details
- Using context clues, other resources to enhance vocabulary
- Identifying the characteristics of fiction
- Stating the author's purpose
- Creating graphic organizers
- Self-correct while reading

- Interpret pronunciation key and diacritical marks in a dictionary or glossary
- Book reviews

Writing:

Fifth grade students use writing to convey meaning.

Students will:

- Write legibly using cursive
- Write multiple sequential paragraphs on a given topic
- Apply grammar and mechanics
- Parts of speech
- Tenses
- Punctuation
- Construct an outline
- Use the writing process including prewriting, writing, revising, editing, and final draft
- Write in multiple forms
- Narrative, descriptive, and persuasive essays

Art

In Art classes, the students will learn and work with different forms of media and techniques, studying artists while using their God-given talents.

The focus is on:

- 1 and 2 Point Perspective
- Art History

STEAM Lab

STEAM stands for Science Technology Engineering Art and Mathematics. The Robotics and Programming section of STEAM will focus on technology activities including the Sphero robotics program. These activities will be more teacher-led and focused on using critical thinking and problem-solving skills to program and code the robots to solve problems and accomplish goals.

The Makerspace section of STEAM will focus on hands-on activities in which students will work independently and collaboratively with their peers to devise solutions to problems and utilize a wide variety of tools to accomplish goals. The Makerspace is more student-led and explorative, while still maintaining structure with students working towards a common goal.