

Religion

The Religion Curriculum focuses on *God calling us into a deeper relationship through the commandments and the beatitudes*. Students are taught that:

- The Ten Commandments, God's laws of love, were given to the chosen people.
- Sacraments originate from the witness of Christian life within the family.
- Preparation for *First Reconciliation* is given by parents, under the direction of the classroom teacher and the Director of Religious Education.

Art

The Art Curriculum includes the following:

Visual art is centered around self-expression. Students solve many artistic problems through creative, critical thinking and the use of a variety of drawing and sculptural materials. Students are taught to:

- Understand how to translate their thoughts and feelings into the visual language through the use of symbols, theme, and attention to craftsmanship.
- Study the artwork of many cultures of the world, with a focus on ancient societies.
- Hone drafting skills with a concentration on design, resulting in familiarity with geometric shape, rhythm in pattern, delineation of space, and visual depth..
- Take ownership of their personal expression.
- Overcome the fear of judgment.

Library

The library serves as the center of the school's literacy life. It is a place where students, faculty and parents are welcome all the time and have ready access to books and resources. Most importantly, the library provides a place where students can read widely; however, it serves an even broader vision by producing:

- Time for students to browse and borrow books.
- Opportunities for story-time.
- Places to display student work.
- Access to resources related to classroom work.
- Regularly scheduled time for teaching library skills in context.
- Promotion of book fairs as one way to get books into schools and homes.

Physical Education

The Physical Education Curriculum is designed to meet the needs of the students to grow physically, cognitively, and socially. Students should be able to do the following:

- Improve coordination
 - Use mature form in object control to use basic sport specific skills for a variety of activities (kick, run, strike, throw)
 - Use control in weight-bearing and balance activities.
- Instill sportsmanship
 - Use range of strategies for net and invasion games
 - Understand rules, procedures, and etiquette that are safe.
 - Work in a group in both cooperative and competitive games.
- Develop an appreciation and enjoyment of physical activity
 - Understand that different individuals have differences in abilities.
 - Engage in activities that provide personal challenge.
- Identify the benefits of good health habits and an active lifestyle
 - Engage in activities that increase cardio-respiratory endurance.
 - Engage in activities that develop flexibility, muscular strength, and endurance.
 - Know the characteristics of a healthy lifestyle.

Computer Technology

The Technology Curriculum is designed to ensure that the student has learned the appropriate beginning computer knowledge and skills to accomplish tasks assigned in classroom. Usage of skills is integrated into the classroom curriculum and instruction is taught in the lab.

Music

The Music Curriculum focuses on the following standards:

- Students will sing a varied repertoire of music alone and with others.
- Students will demonstrate ability in the music skills of melody, harmony, form, expressive qualities and rhythm.
- Students will gain an understanding of basic music vocabulary such as echo, beat, loud/soft, high/low, fast/slow, tempo, steady beat, etc.

St. Patrick School Pelham, NH

... A community of faith in which worship and social concern are integrated in the total experience for students, their parents, and members of the faculty.

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Sister Claire Provost
Religious Education Director

Carol Blazon
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Grade 4 Teacher Team

Welcome to Grade 4



*St. Patrick School Curriculum
reflects the requirements outlined by
the Diocese of Manchester, NH*

English/Language Arts

All students will master the following:

Language

- Conduct interviews and surveys and report the results.
- Orally express opinions and conclusions about texts read or heard.
- Use a dictionary, thesaurus, or other reference book to determine meaning, usage, and pronunciation.
- Identify standard mechanics and usage involving punctuation, parts of speech (verbs, adjectives, nouns, pronouns, and adverbs), paragraph format (indentation, topic sentence, conclusion), spelling and complete sentences (simple, compound).
- Compare and contrast differences in language from different regions.
- Use a variety of strategies to determine the meaning of new words.

Literature

- Identify main ideas and supporting details, analyze and interpret information read, and compare/contrast information from different sources.
- Introduce and compare various traditional literature, such as myths, legends, fairy tales, fables and tall tales.
- Distinguish the theme from the topic; use more complex comprehending strategies.
- Provide evidence from a story to support the understanding of theme, character, plot, and setting.
- Demonstrate cause and effect relationships.
- Compose reports or presentations which include visuals (timelines, charts, maps, etc.).
- Compare themes in poems.
- Identify and use a variety of patterns in poetry (end rhyme, free verse, couplets, haiku, limerick, etc.).
- Identify, analyze, and explore sound devices, sensory words, exaggeration (hyperbole), and direct and indirect comparisons (simile, metaphor, personification).

Composition

- Write multi-paragraph compositions that develop a central idea in an expository format.
- Write persuasive or informational pieces in response to an open-ended question.
- Show development in organization, content, paragraph development, level of detail, mechanics, word usages, and sentence structure in written work.
- Use graphic organizers and additional strategies (note taking, summarizing, etc.) to plan and write composition.
- Revise writing to improve level of detail.
- Use rubrics to assess the quality of the piece and to make adjustments.

Math

All students will master the following:

Number Sense and Operations

- Understand fractions as parts of a whole unit.
- Understand use of decimals as they relate to money.
- Add and subtract up to 5 digit numbers.
- Know multiplication facts through 12×12 , and use them to solve problems.
- Divide up to a 3 digit whole number with a single digit divisor.
- Round whole numbers through one hundred thousand (100,000).
- Multiply up to 3 digit by 2 digit numbers.

Patterns, Relations, and Algebra

- Use pictures, models, tables, charts, graphs, words, number sentences, and mathematical notations to interpret mathematical relationships.

Geometry

- Describe, model, draw, compare, and classify 2 and 3 dimensional shapes.
- Identify terms such as symmetry, congruent, right/obtuse/acute angles, intersecting lines, parallel/perpendicular lines.
- Find area and perimeter of shapes, diagrams, and grids.

Measurement

- Identify time to one minute intervals, and compute elapsed time on analog and digital clocks using AM and PM.
- Identify and use appropriate English and Metric units and tools to measure length, area, volume, and temperature.

Data Analysis, Statistics, and Probability

- Represent the possible outcomes for a simple probability situation.
- Collect and organize data, and identify appropriate ways to display the data.

Social Studies

All students will master the following:

Geography

- Use maps to determine latitude and longitude; identify the locations marked off; interpret maps; and compare modern and historical maps of the same area.
- Study the geography of North America, the United States, including Alaska and Hawaii.

History

- Identify the main characteristics of the following cultures:
 - Native American culture in North America
 - Early North American settlers.
 - Egypt
- Study the local history.

Civics and Government

- Discuss examples of immigrants and the different ways that immigrants have contributed to the town.
- Discuss the ways an immigrant can become a citizen.

Economics

- Give examples of natural resources in the United States. Discuss how scarce resources compel people to make choices about goods and services.



Science

All students will master the following:

Earth and Space

- Use a collection of classical (not digital) weather instruments that clearly show the physical principle that makes them work.
- Conduct experiments to demonstrate convection, and watch and discuss weather news to see how the jet stream moves across our country from west to east.
- Collect daily weather data through observation and internet/newsprint for east and west coast cities; graph daily averages; and discuss how long-term daily averages begin to describe each climate.
- Draw and label a diagram of the water cycle.
- Create a proportional model of the solar system, and read and discuss different parts of our solar system.
- Observe and discuss the changes in length and direction of shadows during the course of the day.
- Observe, record, and discuss the shape of the moon and its relative location across the night sky over a 30-day period.

Life

- Classify plants and animals according to their physical characteristics, and describe each structure's purpose.
- Identify the needs of organisms and how they are changed by their environment.
- Differentiate among properties of objects (rocks), such as size, shape, and weight; and properties of materials such as color, texture, and hardness.

Physical

- Compare and contrast the basic properties of water in the solid, liquid and gas state; and know that one can move between states by adding or taking away heat.
- Identify the basic forms of energy (light, heat, electrical, etc.).
- Build a complete electrical circuit; explain the flow of energy through it; and demonstrate that electricity can produce light, heat, and sound.
- Recognize and demonstrate that magnets have poles that repel and attract each other.
- Demonstrate at least one way a problem can be represented.