

ART

Students receive Art instruction for approximately one hour each week. Instruction focuses on introduction to artistic techniques, medium, and concepts. Students are encouraged to view the world around them with greater visual understanding. Fifth grade students will apply skills covered in grades 1-4.

MUSIC

Students receive Music instruction for approximately one hour each week. Instruction focuses on singing, movement, and rhythm instrument playing. Students continue to develop an appreciation for quality music.

PHYSICAL EDUCATION

Students receive instruction in Physical Education for approximately one hour each week. Instruction focuses on helping youngsters develop a healthy and fit body. Skills and concepts that are covered include management skills, understanding personal and general space, aerobic exercise, eye-hand coordination, motor planning and patterns, muscular strength and endurance, and flexibility.

HOMEWORK

Fifth grade students should expect approximately one hour of school related homework each night. Parents are asked to monitor their child's work and assist them whenever necessary.

PARENT REPORTS

Reports are issued to parents three times each year. Parents are urged to meet with their child's teacher during Parent Teacher Conferences on November 18, 2011 and March 16, 2012 at which time Report Cards will be handed out.

Matthew Thornton School

275 Mammoth Road
Carol Mack, Principal
Alfred Thompson, Assistant Principal
Tel. (603) 432-6937
Fax (603) 425-1005

South School

88 South Road
Linda Boyd, Principal
Christopher Hunt, Assistant Principal
Tel. (603) 432-6956
Fax (603) 425-1004

North School

19 Sanborn Road
Mary Coltin, Principal
Jill Connors, Assistant Principal
Tel. (603) 432-6933
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Moose Hill School

150 Pillsbury Road
Carol Mack, Principal
Bonnie Breithaupt, Kindergarten
Director
Lynn Slapsys/Kim Speers, LEEP
Tel. (603) 437-5855
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For more information regarding
district curriculum, go to:
www.londonderry.org



Londonderry School District

2011 - 2012

Fifth Grade

**Curriculum Guide
for Parents**

Grade 5 Summary

2011-2012

Language Art

- Choose materials appropriate to own reading skill and for tasks, such as reading for enjoyment, to complete an assignment, or to carry out a project
- Generate questions before, during, and after reading to enhance understanding and recall
- Define and explain the meaning of words in context
- Spell/apply assigned words
- Apply correct grammar, usage, mechanics
- Given a writing prompt, develop a piece of writing with strong ideas and content, organization, conventions, word choice, voice, sentence fluency
- Select and use a form, style, and expression appropriate to the personal or academic purpose of their writing
- Write for a variety of audiences using different formats
- Use and respond to spoken language appropriate to the topic, purpose, and/or audience
- Respond to and evaluate information presented

Mathematics

- Accurately and fluently add, subtract, multiply, and divide whole numbers
- Use fractions and decimals in all operations
- Solve mathematical problems using mental computation, estimation techniques, and measurement skills
- Make predictions of probable outcomes
- Use both standard and metric tools to accurately measure distance, volume, area, perimeter, mass, temperature, and time
- Name, describe, construct, and measure two and three dimensional geometric figures
- Communicate processes of and solutions to mathematical problems
- Construct and analyze charts, tables, and graphs to gather and evaluate data
- Demonstrate conceptual understanding of algebraic expressions and equalities
- Solve equations with one operation and determine which values of a replacement set make a multi-step equation true

Science

- Describe how energy flows and matter recycles through an eco-system
- Explain the roles of producers, consumers, & decomposers and how energy is transferred through food web in an ecosystem
- Describe the process of photosynthesis
- Identify the components and properties of soil, and factors that influence its ability to support life
- Make predictions about weather conditions using meteorological tools
- Describe weather in terms of temperature, wind speed, direction, precipitation and cloud cover
- Differentiate between physical and chemical change
- Describe the transfer of heat through conduction, convection, and radiation
- Explain how some changes to the Earth's surface happen abruptly
- Explain how weathering (erosion and deposition of sediment) changes the Earth's surface
- Identify and describe seasonal, daylight and weather patterns as they relate to energy

Science (cont'd)

- Describe how clouds affect weather and climate
 - Explain the composition and structure of the Earth's atmosphere
 - Recognize how the tilt of the Earth's axis and its revolution affect seasons and weather patterns
- ### Social Studies
- Read and interpret a variety of maps, charts, graphs, and globes
 - Gather accurate and meaningful information from a variety of sources
 - Identify major geographic features of our planet
 - Discuss significant themes, events, and individuals in the social, political, and economic development of our country
 - Discuss the importance of the Declaration of Independence and the Constitution
 - Explain the basic purposes of government in a democracy
 - Demonstrate respect and responsibility for self and others
 - Explain the impact of trade of goods on the US, incorporating the basic principles of economics

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Health

- Identify the structures and functions of the immune system and identify common communicable diseases
- Identify common causes of stress in young people
- Identify ways that stress impacts health
- Discuss dangers of the improper use of drugs
- Discuss the components of a healthy diet
- Participate in physical activity on a regular basis
- Explain how personal behaviors and choices significantly impact health
- Explain the relationship between intellectual, social, emotional, and physical factors on well-being

Info. Literacy Technology

- Determine the information needed to solve a problem
- Use a variety of information sources: print (almanac, dictionary, encyclopedia, atlas), visual, persons, etc.
- Identify appropriate topics and keywords
- Find information from a given resource alphabetically, chronologically, topically, or numerically
- With limited assistance, locate information on the internet
- Identify the parts of a nonfiction book (glossary, index, table of contents)
- Independently complete bibliography cards
- Identify keywords & phrases to record information (note taking)
- Be able to define "plagiarism"
- Demonstrate proper keyboarding techniques
- Create, organize, store, and back up data
- Create word processed documents that have been drafted, revised, and edited electronically
- Use spreadsheets to organize data, produce charts and graphs
- Use database to access and organize information
- Create a multimedia presentation with text, graphics sound
- Identify peripheral devices & demonstrate uses (printers, scanners, digital cameras)