

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. Fourth grade students will apply skills covered in grades 1-3.

MUSIC

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

Fourth grade students should expect approximately forty minutes 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 November 14, 2008 and March 13, 2009 at which time Report Cards will be handed out.

Matthew Thornton School

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Christopher Hunt, Assistant Principal
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South School

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Benjamin Loi, Assistant Principal
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North School

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Richard Zacchilli, Principal
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For more information regarding
district curriculum, go to:
schools.londonderry.org



Londonderry School District

2009 - 2010

Fourth Grade Curriculum Guide for Parents

Grade 4 Summary

2009-2010

Language Arts

- read grade level materials fluently and with proper phrasing
- use strategies appropriately to comprehend reading
- identify story elements, predict & verify outcomes; identify organizational patterns (i.e. fact vs. opinion, cause and effect, compare/contrast)
- spell/apply assigned words
- create a coherent, organized piece of writing
- apply correct grammar, usage, mechanics
- write a report with more than 3 paragraphs with simple bibliography (author, title, copyright)
- demonstrate oral presentation skills through individual and small group presentations
- listen to/view a variety of presentations, develop questions, and respond effectively to questions about the presentation
- take notes about a presentation and formulate questions

Mathematics

- use mental computation to solve problems
- solve problems requiring multi-step strategies
- communicate mathematical ideas, processes and solutions to problems orally and in writing

Mathematics (cont'd)

- collect data; construct, interpret and analyze bar, pie and line graphs
- find the median, mode, or range for a given set of data
- describe a probability as likely, unlikely, impossible of certain
- demonstrate understanding of algebraic expressions by using letters or symbols
- analyze patterns and functions and write a rule
- understand equality between two expressions
- identify/describe/draw models of rays, parallel & perpendicular lines, & a variety of angles
- estimate capacity using liters, quarts and gallons
- name, describe, construct 3-D shapes
- estimate and measure rectangular regions
- makes conversions within customary and metric systems
- draw figures congruent to given figure/explain why
- demonstrate multiplication & division math facts to 12
- demonstrate number sense to 1,000,000
- understand mathematical relationships of inverse and repeated operations
- add/subtract fractions with like/unlike denominators
- convert fractions to decimals; decimals to fractions

Science

- explain how the use of scientific tools helps to extend senses and gather data about weather
- explain how the characteristics of earth materials lend themselves to specific uses
- use physical properties to sort, classify, & describe earth materials
- draw conclusions about how water interacts with earth materials
- demonstrate the use of simple instruments to collect weather data
- identify and explain how the physical structures of an organism allows it to survive in its habitat/environment
- identify the source of energy which allow organisms to survive
- explain how changes in the environment can cause organisms to respond
- distinguish between inherited and learned human characteristics
- collect and organize data about physical properties in order to classify objects or draw conclusions about objects and their properties
- describe the properties of light in relation to other objects/substances
- experiment, observe, or predict how heat moves from one object to another

Science (cont'd)

- use data to predict how a change in force affects an object
- design and carry out a controlled experiment that has, as a variable, one particular environmental factor

Social Studies

- write a 3 paragraph report with simple bibliography
- explain/use symbols, legends & coordinates
- use a map to locate the NE states & places in NH
- describe the NH lifestyle, explain how geography of NH affects that lifestyle
- explain the impact of Native Americans on the history and culture of New England
- compare and contrast various aspects of daily living the colonial period of NH
- explain contributions of famous NH people
- explain structure of local & state government and the responsibilities of an involved citizen
- demonstrate respect and responsibility for self and others
- discuss the impact and contributions of the various ethnic groups who came to NH
- explain major changes in NH's economy from colonial times to the present

Health

- discuss the various physical, social and emotional changes that occur as children enter pre-adolescence
- identify common symptoms and respond appropriately to different types of stress
- describe common emergency situations and describe appropriate responses
- distinguish between harmful and helpful substances
- relate good nutrition to total wellness
- explain the importance of good personal hygiene habits
- describe how to build and maintain healthy friendships and family relationships
- interact with the community and environment in a manner which protects, preserves and improves the surroundings

Info. Literacy/Technology

- Identify the appropriate sources of information
- Access information from print, non-print, &/or electronic resources
- Brainstorm to develop a set of questions, which are carefully aligned & focused on a designated main idea
- Demonstrate the ability to locate specific information from a variety of resources
- Demonstrate the use of an index in a print resource
- Identify keywords for locating information
With assistance, identify keywords & phrases to record information (note taking)
- save and locate files
- electronically edit and revise word-processed documents
- with assistance, use spreadsheets to organize data and create graphs
- with assistance, use a simple database
- create a simple multimedia presentation that includes text, graphics, and sound
- demonstrate proper keyboarding techniques