

*Physical Science*

- **Discovering Properties of Matter:** Explore magnetism, buoyancy, and hands-on experiments with solids, liquids, & gasses.

*Life Science*

- **Plants and Animals:** Observe, compare, and contrast common plants and animals using simple classification, life cycles, and common needs.

*Earth/Space Science*

- **Earth Materials:** Compare and contrast common characteristics of rocks, pebbles, sand, & soil. Explore conservation and erosion.
- **Day/Night Sky:** Explore sun/shadows, moon changes. Explore planets and simple constellations.

*September, 2009*

## Lebanon School District GRADE 1 CURRICULUM

### *A Message for the Parents:*

The outlines in this pamphlet are the products of several years of ongoing curriculum work by the administrators and teachers of the Lebanon School District. Using National Standards and the New Hampshire State Curriculum Frameworks as guides, the district staff has completed documents of content and skills for Language Arts, Mathematics, Social Studies and Science that have been adopted by the Lebanon School Board. This pamphlet includes the scope and sequence outlines from those documents.

The curriculum documents that have been completed will ensure the fulfillment of two district goals: (a) that the content and skills are taught in our classrooms are in alignment with the state frameworks, and (b) that the consistency and continuity of curriculum and instruction will be enhanced in schools across the district. The district's focus is on the refinement of the curricula as we meet the needs of diverse learners in the regular classrooms. Curricular accountability is ensured through the use of the New England Common Assessment Program (NECAP) tests and other district wide assessments.

This pamphlet is designed to help parents understand the classroom curriculum for a given grade. Your child's teacher can give you more detail about the presentation of topics and the expectations for students. We hope that this information will help you to support your child's learning and to contribute to the continued improvement of curriculum and instruction in the district. Public knowledge and input are critical to the ongoing curriculum review process. We invite parents and community members to participate in the process and to provide comments and recommendations.

Michael Harris, Ph.D., Superintendent

## READING

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### *Construct Meaning*

- Read orally with fluency, expression and attention to detail
- Retell stories by identifying major elements: beginning, middle, end, characters, setting, main events, problems and solutions, main idea, details
- Make inferences from text and illustrations

### *Comprehension Skills & Strategies*

- Before reading, select text appropriate for a specific purpose
- During reading, make and confirm simple predictions
- Self-correct or seek help to clarify and understand text
- Use conventions of written language when reading individual words, letters, left to right, top to bottom, voice-print match, upper and lower case print, periods, question marks, commas and quotation marks
- After reading, retell to clarify and review
- Reread/ Search text and pictures to locate details, confirm understanding and answer questions

### *Vocabulary & Reading New Words*

- Determine pronunciation and meaning of words using:
  - ❖ Phonics and decoding skills
  - ❖ Dividing words into syllables
  - ❖ Past experience
  - ❖ Sentence structure
  - ❖ Graphics, pictures and context clues
  - ❖ Roots and suffixes
  - ❖ Contractions and compound words
  - ❖ A simple dictionary
- Recognize and appreciate the use of idioms and specialized vocabulary
- Recognize common words in many contexts and increase sight vocabulary

### *Information Gathering*

- Identify information needed and potential sources
- Use table of contents, title page, page numbers
- Interpret directions; alphabetical order; lists; tables; charts; beginning, middle and end; who, what, when, where; thinking maps; and timelines
- Use dictionaries, maps & globes, encyclopedias, newspapers, magazines, and vertical files
- Use automated and cataloging systems to locate a variety of information sources and retrieval systems
- Gather organize, interpret and present information clearly and logically

## Literature

- Recognize story elements: character, setting and conflict
- Discuss written, spoken and audio-visual texts
- Understand characteristics of a variety of genres: fiction, non-fiction, fantasy, fairy tales, poetry and plays
- Discuss the use of simple figurative language including similes, metaphors and idioms
- Demonstrate knowledge, understanding and appreciation of a variety of recognized literary and narrative works: poems, stories, legends, tall tales, novels, stories from other countries and author studies

## WRITING

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### *Write effectively for a variety of purposes*

#### *Use a variety of techniques before, during and after writing to generate ideas, plan, draft, revise, edit and publish texts*

- Before writing, select a topic, plan, sketch, list, map or brainstorm to organize thoughts
- Write and revise a draft
- Write stories, notes, letters, lists, charts, narratives and poems following a model
- After writing, proofread for grammar and spelling

### *Use conventions of standard English*

- Spell words from personal spelling lists correctly
- Capitalize beginning of sentence, people's names, I, months, days
- Use a period to end a simple sentence
- Write upper and lower case manuscript letters legibly
- Use abbreviations: Mr., Mrs.
- Use format of a friendly letter (date, salutation)

## SOCIAL STUDIES

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### *EARLY EUROPEAN EXPLORATION & SETTLEMENT*

#### *OF NORTH AMERICA*

#### *FROM COLONIES TO INDEPENDENCE*

#### *EMERGENCE OF EARLY CIVILIZATION: Mesopotamia &*

#### *Egypt*

#### *CURRENT EVENTS*

*GEOGRAPHY* is explored throughout all units

## MATHEMATICS

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Students will effectively communicate accurate mathematical reasoning in problem solving contexts integrated across diverse curriculum disciplines and

everyday situations. They will apply skills from the following math sub-categories:

### Number Sense

Students will work towards proficiency in understanding and applying concepts of place value (zero to 99), whole numbers (1-10, one more/one less, greater than/less than, equal sets, estimation), and simple fractions (halves, thirds, quarters).

### Computation

Students will accurately and efficiently:

- Demonstrate mastery of addition and subtraction facts with **sums to 10**.
- Explore relationship between addition and subtraction.
- Explore relationship between multiplication and repeated addition
- Determine the reasonableness of an answer. Does it make sense?

### Geometry

- Students will explore concepts in symmetry, linear, plane, and solid geometry by drawing, building, and identifying 2-D and 3-D figures with appropriate vocabulary.

### Measurement

Students will explore and apply appropriate measurement tools (scales, thermometers, rulers, etc.) and units in non-standard, Metric, and U.S. Standard systems in: linear, area, weight/mass, volume/capacity, temperature, time, and money contexts.

### Data Analysis

Students will:

- Collect, organize, and present data using the appropriate graphic format (real or picture graph).
- Make predictions based on interpretation of probability of an event happening.
- Explore bar graphs.

### Algebra

Students will develop confidence exploring basic mathematical patterns and relationships and applying them in problem solving. They will:

- Write a number sentence/equation to express a relationship ( $2+3=5$ )
- Use recall of facts to solve an equation ( $2+?=4$ )
- Explore the commutative and associative properties of addition and multiplication ( $2+3=3+2$ ).
- Recognize, describe and create patterns