

Matter

Students will understand that everything is matter and matter has properties.

- Solids, liquids and gases are matter.
- Matter has properties like size, shape and weight, texture, color, and hardness.
- You can tell solids, liquids and gases apart by looking at their properties.

Plants

Students will develop an understanding of what plants and animals need to survive in a healthy way.

- Plants have roots, stems and leaves.
- Plants need air, light, and water to survive.
- They will understand the basic needs of plants and how to care for them.
- Various environmental factors affect plants' survival.

Conservation

Students will develop an understanding of how their choices affect the environment.

- ways to help the environment
- why we need to care for the earth
- ways to conserve resources

Unified Arts

The Unified Arts program will provide a variety of educational experiences that will help the child excel in their studies as well as discover new and exciting abilities and strengths within themselves.

Art

Broad Goal: To provide an atmosphere where students feel free to create, imagine, and express themselves in their lifelong journey of discovery.

- Introduction to art elements and principles including color, form, shape, line, space, texture, value, balance, contrast, emphasis, proportion, rhythm, pattern, unity, and variety
- Experimenting and gaining knowledge of different art media and techniques
- Integration of art activities with core subjects
- Art History

Library

Broad Goals: To develop information literacy and a love of reading through exposure to quality literature and learning skills for gathering and analyzing information in various formats.

- Self-selected reading: choosing a just-right book, genres, using the library catalog, book care
- Gathering and analyzing information: online databases, using reference books, citations
- Ethical use of information: copyright
- Exposure to a variety of literature: NH Ladybug Book Award, visiting author, Scholastic Book Fairs, Read Across America

Music

Broad Goal: To provide students with the skills needed to appreciate music in its myriad of forms. Through various musical activities, reading, mathematics, and problem-solving skills are developed.

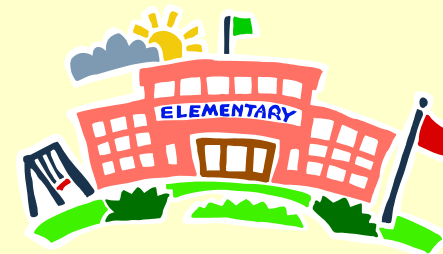
- Music Appreciation: Classical and world music, musical problem-solving skills, musical movement games, storytelling
- Music Theory: Reading and writing of basic music notation
- Music Performance: Winter concert, lyrics memorization and reading, instrumental experimentation and classroom performing on world instruments

Physical Education

Broad Goal: To provide students with a fun, movement rich experience to promote a healthy, active lifestyle.

- Safety and listening skills
- Locomotor skills
- Manipulative and non manipulative skills
- Gymnastics
- Dance
- Life-long activities

Windham School District



Golden Brook School

Second Grade Curriculum

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English Language Arts: Second Grade

Broad goals for English Language Arts education in the Windham School District address acquiring the interactive skills and processes of reading, writing, speaking, listening, and viewing through a balanced literacy program which includes the study of literature and the application of language arts.

The Second Grade English L.A. curriculum includes instruction, which utilizes the Houghton Mifflin Harcourt Storytown program. The curriculum enables students to:

- Relate what is read to their own background knowledge, including personal experience, their understanding of the world and comparisons to other literature.
- Make story predictions, draw conclusions, summarize and demonstrate comprehension of what has been read from a variety of genres.
- Identify story elements, including character, setting and plot.
- Develop an understanding of language structure and mechanics, including a variety of grammatical concepts such as capitalization, punctuation and parts of speech.
- Use a multisensory approach to develop an understanding of how letters and spelling patterns represent sounds of speech, along with a mastery of rules about certain sound patterns, can be blended to make words.
- Develop strategies for identifying words when reading and spelling.
- Broaden recognition and identification of words that follow irregular spelling patterns (sight words).
- Enrich vocabulary, through reading, experiences, conversation and introduction of more sophisticated language structures to enhance fluency.
- Increase understanding and use of language by developing, practicing, and improving writing skills, using a writing process that includes prewriting/planning, composing a rough draft, revising, editing and producing

Mathematics: Second Grade

The second grade students use the Everyday Mathematics Program. This program bases itself on providing students with:

- A curriculum that emphasizes conceptual understanding while building a mastery of basic skills.
- A curriculum that explores the full mathematics spectrum, not just basic arithmetic.
- A curriculum based on how children learn, what they're interested in, and the future of which they must be prepared.

A sampling of the skills learned in each area is listed below:

Numeration

- Comparing numbers and money
- Using a calculator
- Place value of numbers up to 4 digits
- Explore, compare, and order fractions

Operations and Computation

- Solve addition/subtraction number stories
- Add/subtract 1-, 2-, 3-, and 4-digit numbers
- Understand the meaning of multiplication/division

Patterns, Functions, and Algebra

- Sort and identify shapes/objects by attributes
- Find patterns on a number grid and in addition/subtraction facts

Geometry

- Identify 2- and 3-dimensional shapes
- Compare polygons and non-polygons
- Identify lines of symmetry

Measurement and Reference Frames

- Compare lengths and heights of objects
- Investigate area and perimeter
- Tell time to the nearest minute
- Solve temperature and time number stories

Data and Chance

- Collect, organize, and interpret data

Social Studies: Second Grade

The second grade student will experience social studies concepts in the areas of Civics and Government, Economics, Geography, and History taught in an integrated manner.

Civics and Government

- The student demonstrates a thorough understanding of the need for classroom rules and consequences.
- The student exhibits and understands his/her importance and responsibility to the community putting into effect the ideals of good citizenship.
- The student will demonstrate the importance of making good choices.
- The student explores roles within communities.

Geography

- The student will gain an understanding of geographic locations using mapping skills.
- The student will read and discuss current events.

History

- The student will explore American history and famous people.

Science: Second Grade

Second grade students will be using science process skills while investigating different themes. These skills include recording observations, asking questions, sorting and classifying results, selecting and using appropriate tools, suggesting a plan for investigation, identifying patterns in observations and communicating their ideas in different formats (oral, journal, drawing, etc).

Some themes they will study include:

Rocks

Students will develop an understanding of the types of rocks and their properties.

- Rocks have properties such as size, shape, color and texture.
- You can sort and classify rocks.
- There are three types of rocks.
- A rock's properties determine its use in everyday life.