

## **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

## **Enrichment**

**Broad Goals:** To provide valuable systems for organizing thinking and feeling processes and factors that are essential for learning.

- Creative Thinking Skills: brainstorming, S.C.A.M.P.E.R., fluency, flexibility, originality, elaboration
- Creative Problem Solving: C.P.S. decision making, prediction
- Critical Thinking: analogies, logic, deductive reasoning, classifying, spatial perception, analysis, evaluation, divergent production

## **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 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 a final copy.

## ***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.