

English Language Arts: Kindergarten

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; and include the study of literature and application of language arts.

The Kindergarten English L.A. curriculum includes instruction which utilizes the Houghton Mifflin Harcourt Storytown Program. The curriculum enables students to:

- Develop phonemic awareness and apply phonological skills
- Recognize and name all upper and lower case letters
- Identify the primary sounds made by most letters (sound-symbol correspondence)
- Develop a high frequency sight-word vocabulary
- Develop vocabulary skills; identify synonyms and antonyms, describe position in space and time, organize words by category
- Develop initial understanding of elements of literary text read aloud; identify characters, responding to simple questions related to content
- Analyze and interpret elements of literary texts read aloud; make predictions, identify the characteristics of main characters, compare stories or texts to personal experience or other texts
- Develop initial understanding and interpret informational texts read aloud; obtain information using text features, answer and generate related questions, make basic inferences
- Develop comprehension skills using pictures, syntax or repetitive language patterns, prior knowledge, making connections, constructing sensory images
- Write a story using pictures
- Retell a story with some detail and in logical order
- Develop expressive and receptive language skills
- Correctly form all upper and lower case letters

Mathematics: Kindergarten

Problem solving: Begin to develop skills for problem solving and apply strategies to solve problems.

Reasoning: Use mathematical reasoning to sort by color, size, shape, and attributes; interpret and read data in various representations.

Communications: Be able to talk and write clearly about math
Connections and Representation: Solve problems; i.e., by sequencing events

The Everyday Mathematics program is utilized to deliver Kindergarten math instruction in the Windham School District. The Kindergarten math curriculum enables students to:

Number and Operations

- Develop conceptual understanding of rational numbers; whole numbers from 0-20, equivalency, positive fractional numbers ($1/2$) as “fair share” or equal sized parts and sets
- Develop an understanding of the relative magnitude of numbers from 1-20; one-to-one correspondence, comparing of whole numbers (more and less)
- Add and subtract whole numbers (0-10)
- Develop an understanding of coin names and values (penny, nickel, dime)
- Add and subtract whole numbers mentally
- Estimate the number of objects in a set (up to 20)

Geometry and Measurement

- Recognize, name and build polygons and circles in the environment
- Use properties, attributes, composition, or decomposition to sort and classify polygons, trapezoids, and hexagons, or objects using one measurable or non-measurable attribute
- Describe and compare object attributes visually and with direct comparison (Length [longer, shorter], height [taller, shorter], weight [heavier, lighter], temperature [warmer, cooler], and capacity [more, less])
- Develop an understanding of elapsed and accrued time and sequence of events in a day (days of week, yesterday, today, tomorrow)

- Identify the clock and calendar as measurement tools

Functions and Algebra

- Identify and extend patterns

Data, Statistics and Probability

- Interpret models and tally charts to answer questions related to data and analyze and organize data to formulate conclusions
- Analyze patterns, trends, of distributions in data (more, less, or equal)

Science: Kindergarten

Broad goals for Science education in the Windham School District address acquiring knowledge, concepts, and skills, and processes of Physical, Earth and Space, and Life Sciences. *The Kindergarten Science curriculum enables students to:*

Earth Space Science

- Observe and discuss changes in the shape of the moon, weather conditions, and length of day
- Observe and discuss how day and night and seasonal changes affect what people and animals do
- Explore the physical properties of water in various states
- Describe the physical properties of rocks such as; size, shape, color and texture
- Recognize that there are too many stars to count
- Differentiate between natural and man-made materials
- Describe actions that help the environment

Life Science

- Differentiate between living and non-living things
- Categorize plants and animals for common characteristics (color, shape, size, etc.)
- Recognize that plants and animals have features that help them survive in different environments
- Living things have a life cycle during which they are born, grow and die (plant)
- Identify resources needed by plants and animals for growth and energy
- Recognize that some living things are now extinct

- Recognize that proper nutrition, exercise and rest are all important factors in maintaining good health
- Identify human sense organs and their purpose
- Recognize that humans need food, water, air, waste removal and a particular range of temperature in their environment, just like other animals do

Physical Science

- Identify the observable properties of different objects, such as size, shape color, weight and texture
- Observe and discuss changes in solids, liquids, and gases
- Recognize that the sun provides the earth with heat and light
- Observe the properties of magnets
- Describe the different ways that things can move (in a straight line, zigzag, fast-slow, etc.

Social Studies: Kindergarten

Broad goals for Social Studies education in the Windham School District address acquiring the knowledge, concepts, skills, and processes of civics and government, economics, geography, and history. *The Kindergarten Social Studies curriculum enables students to:*

Civics and Government

- Develop an awareness of the symbols and holidays of our nation
- Develop an awareness that all children and adults have responsibilities, and roles of citizenship
- Understand that rules are made to govern and protect people

Economics

- Distinguish between wants and needs
- Understand that people rely on one another to satisfy their needs

Geography

- Develop an awareness of the location of their home in relation to the school
- Be able to describe the environment of their home, school, and neighborhood

History

- Explore ways that societies around the world express themselves artistically
- Identify national and New Hampshire celebrations, monuments, symbols and documents

The Arts: Kindergarten

The Kindergarten Arts curriculum enables students to:

Dance

- Identify and demonstrate movement elements and skills
- Perform movements based on their own ideas and ideas from others

Music

- Sing, alone and with others, a varied repertoire of music
- Perform on instruments, alone and with others a varied repertoire of music

Theater

- Collaboratively plan and prepare improvisation
- Assume roles in classroom dramatizations based on personal experience, heritage, imagination, and literature

Visual Arts

- Use various materials, techniques, and processes to communicate and express ideas, experiences, and stories
- Recognize visual elements; color, shape, form, space, line, value and texture

Physical Education

- Participate in daily physical activity
- Develop locomotors, non-locomotors and manipulative skills in a developmentally appropriate form
- Use movement vocabulary
- Identify and follow safety rules and behaviors for all physical activities

Windham School District



Golden Brook School Kindergarten Curriculum

*Debra Armfield – Principal
Christi Michaud – Assistant Principal*

*Golden Brook School
112B Lowell Road
Windham, New Hampshire 03087*

*Main Office (603) 898-9586
Fax (603) 890-3760*

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