

Science Course Purpose

Your child will engage in scientific inquiry using scientific literacy. Students will apply a range of thinking processes, such as recalling facts, applying knowledge, analyzing, evaluating and creating.

Grade Level Expectations

PROPERTIES OF MATTER

Students will use the senses and simple measuring tools, such as rulers and equal-arm balances, to observe common objects and sort them into groups based on size, weight, shape or color. They will also sort objects made of materials such as wood, paper and metal into groups based on properties such as flexibility, attraction to magnets, and whether they float or sink in water. And finally, they will be able to count objects in a group and use mathematical terms to describe quantitative relationships such as: same as, more than, less than, equal, etc.

HEREDITY AND EVOLUTION

In this unit Kindergarten students will be able to do the following three tasks:

- Describe the similarities and differences in the appearance and behaviors of plants, birds, fish, insects and mammals (including humans).
- Describe the similarities and differences in the appearance and behaviors of adults and their offspring.
- Describe characteristics that distinguish living from nonliving things.

ENERGY IN THE EARTH'S SYSTEMS

Students will be able to describe and record daily weather conditions. They will also be able to relate seasonal weather patterns to appropriate choices of clothing and activities.

SCIENCE AND TECHNOLOGY IN SOCIETY

Kindergarten students will be able to describe the types of materials used by people to build houses and the properties that make the materials useful.

Social Studies Course Purpose

Your child will discuss information from history and social studies to enhance their understanding of our nation and our world using literacy, inquiry and research skills to analyze, evaluate and present history and social studies information.

Grade Level Expectation

CONTENT KNOWLEDGE

Students will be able to: identify national heroes (e.g., George Washington, Martin Luther King, Jr.); identify examples that illustrate differences between the past and present (now and then); use terms to describe location, direction and distance (up/down, near/far, front/back); explain how to get to an important location in the school building; describe how climate and weather determine the clothes people wear; describe different means of transportation one has experienced; name symbols that represent the United States; identify holidays and traditions that represent important ideas and events in America; explain why rules are needed to establish a safe school; explain the importance of class-generated rules and their consequences; explain that members of a community have both needs and responsibilities; recognize that there are immediate consequences to one's actions; identify different kinds of jobs; and identify cultural characteristics of self (e.g., food, language, religion, holidays)

HISTORY AND SOCIAL STUDIES LITERACY

Kindergarten students will be able to: understand that information comes from a variety of sources. They will be able to interpret information from photographs and "tally marks," identify water and land areas on a map and draw a picture to depict a historical event.

HISTORICAL APPLICATION

Students will be able to show awareness that people have feelings and there are different points of view.

Unified Arts Course Purpose

Music and Visual Arts

Your child will gain an understanding and appreciation of the arts, as well as the ability to participate in creating and performing the arts, as they are essential attributes of an educated person. Your child will understand and use the materials, techniques, forms, language, notation, literature/ repertoire, and diverse cultural and historical contexts of each art form.

Physical Education

Your child will take responsibility for protecting his/her own health. Students will learn about nutrition and physical activity, and apply this knowledge by making healthy choices for themselves. Each child will have opportunities to:

- Demonstrate good body control when performing locomotor or non-locomotor skills.
- Demonstrate developmentally appropriate manipulative skills using a variety of implements and different body parts.
- Apply movement concepts (e.g., space, speed) to movements.
- Perform simple rhythmic patterns involving creative or cultural dance movement.
- Demonstrate the physical, cognitive, and effective skills to participate in cooperative adventure activities.
- Perform movement tasks

Kindergarten

Curriculum

East Windsor Public Schools



Mission:

Broad Brook Elementary School's mission is to offer our entire community of learners a varied and challenging curriculum, in a safe and nurturing environment that is conducive to teaching and learning. The school community is committed to developing respectful behaviors, personal responsibility and productive citizenship.

Student Profile:

Kindergarteners are delightfully curious and ask many questions. They are beginning to identify and express their own feelings appropriately and they enjoy exploration and discovery through play.

Kindergarten/Course Purposes and Expectations

Language Arts Course Purpose

Your child will engage in the workshop instructional model to read, think, analyze, question and converse about books on a daily basis, so that every student will be highly skilled in reading, writing, listening, speaking, viewing and presenting across all content areas.

Grade Level Expectations

WRITING

Students in kindergarten will be exposed to different types of genre writing including descriptive, narrative, expository, persuasive and poetry.

Writing Process

Students will communicate with others by applying English Language Conventions through the writing process of *Plan, Draft, Revise, Edit, Publish, and Reflect*. Through this process, students will: look at pictures and listen to discussions to generate ideas for writing; “Write” for several minutes; write name on paper; revise by adding details to pictures or letters to words; talk about writing with the teacher; and publish and present final products in a variety of ways, e.g., reader’s theater, word processing.

READING

Concepts About Print

Students in kindergarten will be expected to be able to:

- Recognize words are separated by spaces.
- Recognize sentences are made of separate words.
- Identify types of everyday print materials, e.g., poems, newspapers, signs, labels and storybooks. Distinguish letters from words.
- Identify parts of books, e.g., spine, cover, pages, title, front, back.
- Track printed words from left to right demonstrating one-to-one correspondence.

Phonological Awareness

Students will be able to: produce rhyming words orally in response to spoken words; blend onset and rime to form words, e.g., /d/ /o/g/ = *dog*; identify spoken words with similar initial sounds; identify spoken words with similar ending sounds; produce groups of words orally that begin with the same initial sounds; segment and isolate initial, medial and final sounds of CVC (consonant-vowel-consonant) words; blend up to three orally presented sounds into a correct word; substitute initial sounds; identify the number of syllables in three-syllable words.

Phonics

Students will be able to demonstrate letter-sound correspondences for all single consonants; identify letters matched to short vowel sounds, use common consonant sounds with short vowels to decode three letter words.

Fluency

Read or sing along with correct expression and pace in books, rhymes and songs.

Vocabulary

Students will be able to confirm meanings of unknown words, using prior knowledge, context, photos, illustrations and diagrams and identify common words in basic categories, i.e., can give examples of favorite foods or favorite colors.

Reading Comprehension

Students will utilize and perfect before reading, during reading and after reading strategies to support thinking while reading. Example strategies include:

- Predicting
- Picture walking

- Activate prior knowledge to aid comprehension of fiction and nonfiction texts in terms of what is true or not true.
- Ask questions when things do not make sense.
- Create pictures from read alouds or shared readings.
- Identify parts of texts that seem important.
- Answer literal questions.
- Determine a purpose for reading: pleasure, information or to perform a task.
- Make text to self connections.

Reading Reflection/Behaviors

Students will choose a book to read, and share it with the teacher and classmates and independently “read” books for 5-10 minutes.

Mathematics Course Purpose

The kindergarten student will learn mathematical thinking to explain and use problem-solving strategies in the following math areas: Algebraic Reasoning; Patterns and Functions; Numerical and Proportional Reasoning; Geometry and Measurement; and Working with Data.

Grade Level Expectations

Algebraic Reasoning: Patterns and Functions

Students will be able to:

- Sort and classify objects using attributes such as number of sides.
- Identify a pattern and describe the rule using the physical attributes or position of objects in a sequence.

Number and Proportional Reasoning

Students will be able to:

- Use numbers to count, order, compare, label, locate and measure.
- Share equal parts of an object.
- Count adding one more to the previous number and group.
- Count by tens and ones.

Geometry and Measurement

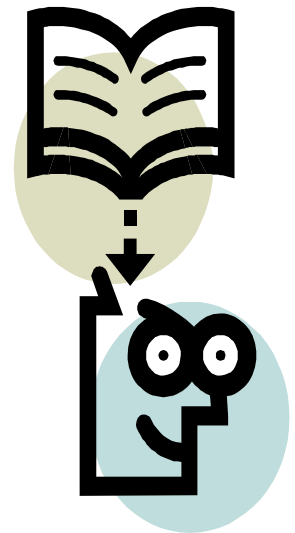
Students will be able to:

- Identify and sort shapes and solids by physical characteristics.
- Use language to show position of objects.
- Use calendars and clocks to measure and record time.
- Use nonstandard units (e.g., paper clips) to estimate measures of length, area, temperature, weight and capacity.

Working with Data: Probability and Statistics

Students will be able to:

- Visualize information and make comparisons about information displayed in real and picture graphs.
- Extend different types of patterns and make predictions.



Good readers think while they are reading!