

Kindergarten

Students will be able to:

Science

- Use science materials appropriately and follow directions
- Recognize that there are different ways to report observations (drawing, discussion, graphs and tables)
- Demonstrate a working knowledge of scientific terms as they are instructed
- Understand the effects of weather
- Understand that weather and amount of daylight varies with the seasons
- Know the Earth is a planet that revolves around the sun while the moon revolves around the Earth
- Observe, describe, and group objects according to their physical properties
- Understand that objects cannot move without a force being applied
- Compare and contrast living and nonliving things
- Understand the basic processes of the life cycle of plants
- Understand the basic processes of the life cycle of animals
- Understand people must be healthy to grow and thrive
- Understand the impact of human decisions and activities on the physical and living environments

Mathematics

- Write digits 0 – 9 legibly without reversals
- Identify numbers 0-20.
- Order numbers 0-20
- Count (recognize 1-to-1 correspondence) and produce (count out) small sets of objects (up to 20).
- Count the number of items in combined small sets (up to 20).
- Count backwards from 10.
- Solve addition and subtraction models using manipulatives.
- Use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes.
- Compare examples (including nonstandard examples) and non-examples, identify, and describe squares, triangles, circles, rectangles, rhombus, spheres, and cubes.
- Manipulate two- and three-dimensional shapes.
- Students will collect, organize, display, and analyze data.
- Sort and organize objects by attributes (e.g., color, size, or shape) and explain.
- Read data from display (pictograph) and identify more, less, and same amounts.

Reading/English Language Arts

- Work left to right, top to bottom
- Understand and recognize opposites
- Identify rhyming words through picture identification
- Identify upper and lower case letters of the alphabet
- Identify sounds of words, such as consonants and initial sounds of words

- Recognize sight words (I, see, it, the, is, she, he, play, etc.)
- Write some sight words with relatively accurate punctuation and capitalization
- Form letters correctly
- Draw pictures to identify main ideas and details of a story
- Speak clearly when asking questions and contributing to class discussions

Social Studies

- Develop an awareness of similarities and differences that make each individual and group unique
- Recognize how people, places, and events change over time
- Identify characteristics of the physical environment and understand how they impact what people do
- Recognize that people use a variety of tools to do different kinds of work in different settings
- Explain what rules, rights, and responsibilities are and how they affect people in different circumstances

Health

- Know personal information
- Identify people to trust
- Identify main body parts and the five senses
- Demonstrate age-appropriate hygiene
- Identify food choices
- Identify safe vs dangerous substances
- Understand that only adults should administer medicine

Technology

- Log on and launch applications

Physical Education

- Demonstrates progress toward mature forms of running, hopping, skipping, galloping and leaping
- Demonstrates progress toward mature physical skill patterns of catching, throwing, kicking and striking
- Follows the teacher's directions
- Demonstrates responsible and appropriate personal and social skills
- Write digits 0 – 9 legibly without reversals

The Arts

- Understand music and art as it relates to history and culture
- Understand and apply concepts and skills found in art and music.
- Make creative decisions and complete projects
- Apply melodic and rhythmic skills through song, movement and playing classroom instruments