

PLANNED COURSE

SUBJECT AREA: Science and Technology

GRADE/COURSE: K

Standard And Strand 3.1 Unifying Themes

OBJECTIVES	PERFORMANCE INDICATORS	ASSESSMENTS (Variety as per Section 4.52, Chapter 4)
<p>A. Demonstrate an awareness of parts of a system.</p> <p>B. Demonstrate the ability to use classroom models to role play.</p> <p>C. Illustrate patterns that regularly occur and reoccur in nature.</p>	<p>Describe simple systems (e.g., parts of the body; parts of plants)</p> <p>Identify and describe what parts make up a system.</p> <p>Use common objects as models (e.g., grocery items, stuffed animals, blocks).</p> <p>Identify the four seasons with corresponding weather characteristics.</p> <p>Observe natural changes in our environment – day and night.</p>	<p>Class work</p> <p>Demonstration</p> <p>Class discussion</p> <p>Worksheets</p> <p>*More specific assessments will be designed upon purchase of new science materials.</p>

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Standard And Strand 3.2 Inquiry and Design

OBJECTIVES	PERFORMANCE INDICATORS	ASSESSMENTS (Variety as per Section 4.52, Chapter 4)
A. Identify and use scientific and technological terms. B. Develop an awareness of the five senses. C. Develop an awareness of the scientific method. D. Develop an awareness of problem solving.	Use oral language to describe scientific observation. Identify the five senses and their functions. Use the five senses to gather information about objects. Generate questions that could start an investigation. Participate in simple guided experiments. Identify basic problems. Discuss/predict possible solutions.	Class work Demonstration Class discussion Worksheets *More specific assessments will be designed upon purchase of new science materials.

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Standard And Strand 3.3 Biological Sciences

OBJECTIVES	PERFORMANCE INDICATORS	ASSESSMENTS (Variety as per Section 4.52, Chapter 4)
A. Recognize characteristics of living things. B. Recognize the resemblance between parents and their offspring in a variety of living things.	Identify and describe the life cycles of plants and animals. Match animal offspring to their correct parent. Describe similarities and differences in the offspring of animals.	Class work Demonstration Class discussion Worksheets *More specific assessments will be designed upon purchase of new science materials.

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Standard And Strand 3.4 Physical Science, Chemistry and Physics

OBJECTIVES	PERFORMANCE INDICATORS	ASSESSMENTS (Variety as per Section 4.52, Chapter 4)
A. Recognize basic concepts about the structure and properties of matter. B. Observe and describe different types of motion. C. Recognize that the planet earth is part of the solar system.	Classify a variety of common items as solid, liquid and gas. Use concrete objects to explore the physical properties of matter. Follow oral directions such as right, left, forward, and backward. Discuss types of motion (e.g., moving in a circle vs. a straight line) Identify the earth, sun, moon and stars through use of pictures and models.	Class work Demonstration Class discussion Worksheets *More specific assessments will be designed upon purchase of new science materials.

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Standard And Strand 3.5 Earth Science

OBJECTIVES	PERFORMANCE INDICATORS	ASSESSMENTS (Variety as per Section 4.52, Chapter 4)
A. Develop an awareness of prehistoric life. B. Develop an awareness of common earth materials in the environment. C. Develop an awareness of basic weather elements. D. Recognize the earth's different water resources.	Recognize that fossils provide information about the past. Identify basic life forms that existed in the history of the earth. Identify and explore soil and rocks in the local environmental setting. Observe and describe weather. Construct simple graphs of daily weather. Identify the uses of water.	Class work Demonstration Class discussion Worksheets *More specific assessments will be designed upon purchase of new science materials.

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Standard And Strand 3.6 Technology

OBJECTIVES	PERFORMANCE INDICATORS	ASSESSMENTS (Variety as per Section 4.52, Chapter 4)
A. Develop an awareness of different ways to communicate information. B. Develop an awareness that humans construct and transport products.	Identify conventional methods of communication (e.g., talking, writing and drawing). Recognize different forms of electronic communications (e.g., telephone, computer and television)	Class work Demonstration Class discussion Worksheets *More specific assessments will be designed upon purchase of new science materials.

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Standard And Strand 3.7 Technological Devices

OBJECTIVES	PERFORMANCE INDICATORS	ASSESSMENTS (Variety as per Section 4.52, Chapter 4)
A. Develop an awareness of basic tools that help us do work. B. Demonstrate the basic use of a computer and computer software.	Identify simple tools and their functions; model safety rules for handling tools. Identify basic parts of a computer (e.g., keyboard, monitor, mouse, CD). Demonstrate simple uses of a computer. Apply operating skills to perform basic computer tasks using grade level appropriate software.	Class work Demonstration Class discussion Worksheets *More specific assessments will be designed upon purchase of new science materials.

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Standard And Strand 3.8 Science, Technology and Human Endeavors

OBJECTIVES	PERFORMANCE INDICATORS	ASSESSMENTS (Variety as per Section 4.52, Chapter 4)
A. Develop an awareness of basic human needs. B. Recognize the connection between the operators equipment and tools.	Identify the basic human needs (food, clothing, shelter, air and water). Identify and match workers and their tools.	Class work Demonstration Class discussion Worksheets *More specific assessments will be designed upon purchase of new science materials.