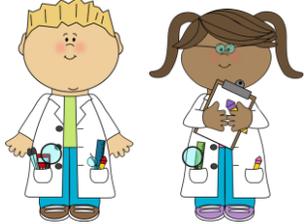
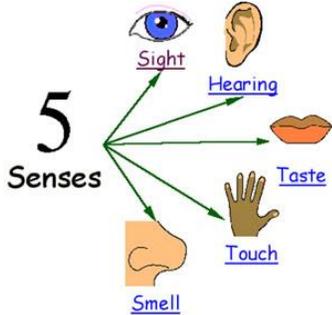
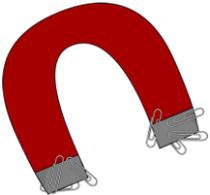
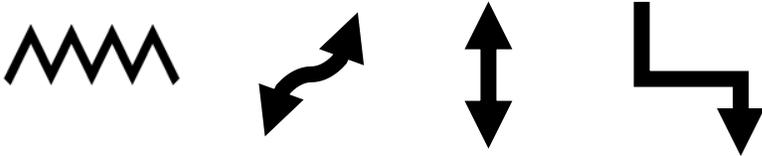
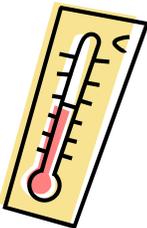
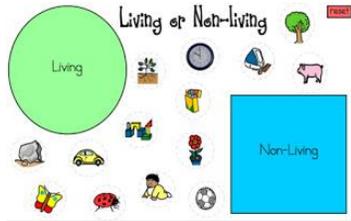
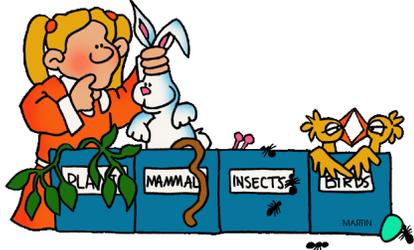


<p align="center">1st Nine Weeks August 22 – October 21</p>	<p align="center">2nd Nine Weeks October 24 – December 20</p>
<p><u>What is Science?</u></p> <ul style="list-style-type: none"> • Explore the role of a scientist • Explore the tools scientists use  <p><u>How We Learn About the World</u></p> <ul style="list-style-type: none"> • Understand and use the five senses as tools of observation: sight, touch, taste, smell, hearing • Observe and describe the natural world using the five senses • Observe and record the size, shape, color, and texture of objects  <p><u>Exploring Light and Sound</u></p> <ul style="list-style-type: none"> • Understand that light and sound are a part of everyday life • Explore how sounds are made • Compare and contrast sounds • Explore light sources 	<p><u>Weather/Clouds/Seasons</u></p> <ul style="list-style-type: none"> • Record and discuss weather daily • Observe and describe weather changes from day to day and over seasons • Identify events that have repeating patterns, including seasons of the year • Observe, describe, and illustrate objects in the sky such as the clouds  <p><u>Force and Motion (magnets and movement)</u></p> <ul style="list-style-type: none"> • Explore interactions between magnets and various materials • Observe and describe the location of an object in relation to another such as: above, below, behind, in front of, and beside • Observe and describe ways that objects can move such as in a straight line, zigzag, up and down, back and forth, round and round, and fast and slow  

<p align="center">3rd Nine Weeks January 5 – March 10</p>	<p align="center">4th Nine Weeks March 20 – May 25</p>
<p><u>Types of Change</u></p> <ul style="list-style-type: none"> • Observe, record, and discuss changes caused by heating and cooling • Understand that a thermometer is a tool that measures temperature • Observe and describe how water changes when heated and cooled  <p><u>Earth and Space</u></p> <ul style="list-style-type: none"> • Identify events that have repeating patterns including day and night • Observe, describe, and illustrate objects in the sky such as moon, stars, and the sun  <p><u>Earth Resources</u></p> <ul style="list-style-type: none"> • Explore that the natural world includes earth materials: rocks, soil, and water. • Observe, describe, compare, and sort rocks by size, shape, color, and texture • Observe and describe the color and clarity of natural water sources • Give examples of ways rocks, soil, and water are useful   	<p><u>Living and Non-living</u></p> <ul style="list-style-type: none"> • Identify objects as living or non-living • Identify the basic needs of living organisms: food, water, air, and shelter   <p><u>Evolution & Inheritance of Traits: Plants</u></p> <ul style="list-style-type: none"> • Explore that plants have basic needs: air, water, sunlight, nutrients, space • Identify parts of a plant: roots, stem, leaves, flower • Sort plants into groups • Observe changes that are part of a simple life cycle of a plant: seed, seedling, plant, flower, fruit • Identify ways that young plants resemble the parent plant  <p><u>Inheritance of Traits: Animals</u></p> <ul style="list-style-type: none"> • Understand animals have basic needs and depend on living and non-living things for survival • Sort animals into groups • Identify parts of animals such as head, eyes, and limbs 

PROCESS STANDARDS

Scientific Investigations and Reasoning Skill TEKS are taught throughout the school year during all content units.

Safe and Environmental Practices

- identify and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately;
- discuss the importance of safe practices to keep self and others safe and healthy; and
- demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic, and metal.

Scientific Inquiry

- ask questions about organisms, objects, and events observed in the natural world;
- plan and conduct simple descriptive investigations such as ways objects move;
- collect data and make observations using simple equipment such as hand lenses, primary balances, and non-standard measurement tools;
- record and organize data and observations using pictures, numbers, and words; and
- communicate observations with others about simple descriptive investigations.

Scientific Problem Solving

- identify and explain a problem such as the impact of littering on the playground and propose a solution in his/her own words;
- make predictions based on observable patterns in nature such as the shapes of leaves; and
- explore that scientists investigate different things in the natural world and use tools to help in their investigations.

Tools and Methods

- collect information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, and notebooks; timing devices, including clocks and timers; non-standard measuring items such as paper clips and clothespins; weather instruments such as demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as terrariums and aquariums; and
- use senses as a tool of observation to identify properties and patterns of organisms, objects, and events in the environment.