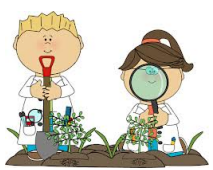




TABR Grade 1 Overarching Science Objectives for 2013-2014

Students will:




- understand that science is a process of observing, studying, and thinking in order to solve problems and answer questions about the universe.
- examine the world using the five senses.
- become familiar with different kinds of plants and butterflies and the ways they live and grow.
- learn about astronomy and the solar system.
- learn about and examine matter in solid and liquid form.

TRIMESTER	TOPICS	TEXTS AND MATERIALS
<p>1</p> 	<p>Nature of Science</p> <p>↻</p> <p>Five Senses</p> <p>↻</p> <p>Plants</p>	<p>Scott Foresman: <u>Science Grade 1</u></p> <ul style="list-style-type: none"> • <i>Scientific Method</i> • <i>The Five Senses</i> • <i>Plant Structure and Growth</i> <p>CIJE Science Lessons and Cart</p>
<p>2</p> 	<p>All About Butterflies</p> <p>↻</p> <p>Up in the Sky</p>	<p>Scott Foresman: <u>Science Grade 1</u></p> <ul style="list-style-type: none"> • <i>Lifecycle of the butterfly</i> • <i>Planets and solar system</i> <p>CIJE Science Lessons and Cart</p>
<p>3</p> 	<p>Solids and Liquids</p> <p>↻</p> <p>Matter</p>	<p>Scott Foresman: <u>Science Grade 1</u></p> <ul style="list-style-type: none"> • <i>Solids and liquids</i> • <i>Properties and states of matter</i> <p>CIJE Science Lessons and Cart</p>

TABR Grade 2 Overarching Science Objectives for 2013-2014

Students will:

- understand that science is a process of observing, studying, and thinking in order to solve problems and answer questions about the universe.
- examine weather patterns, weather-related geography and the effects of weather.
- learn about the human body and its systems.
- examine the properties of sound, heat and light.
- experiment with magnetism and electricity.

TRIMESTER	TOPICS	TEXTS AND MATERIALS
1	Nature of Science  Weather and Seasons  Air	Scott Foresman: <u>Science Grade 2</u> <ul style="list-style-type: none"> • <i>Nature of Science</i> • <i>Weather and Seasons</i> CIJE Science Lessons and Cart
2	The Human Body	Scott Foresman: <u>Science Grade 1</u> <ul style="list-style-type: none"> • <i>How the body works</i> • <i>Nutrition</i> • <i>Keeping Healthy</i> CIJE Science Lessons and Cart
3	Sound, Heat & Light  Forces, Magnets & Electricity	Scott Foresman: <u>Science Grade 1</u> <ul style="list-style-type: none"> • <i>Sound, light and heat</i> • <i>Forces, magnets and electricity</i> CIJE Science Lessons and Cart

TABR Grade 3 Science Overarching Science Objectives for 2013-2014

Students will:




- understand that Science is a process of observing, studying, and thinking in order to solve problems and answer questions about the universe.
- understand the importance of protecting our environment by recycling and conserving resources.
- Identify observable characteristics of rocks and minerals.
- explain how different kinds of soils are produced so that crops can be grown.
- understand what plants and animals need to survive and how they interact with one another in their environments.
- experiment with forces, motion, matter, work and machines.

TRIMESTER	TOPICS	TEXTS AND MATERIALS
1	Scientific Method ↳ Plants	<ul style="list-style-type: none"> • Harcourt School Publishers <u>Science 3</u> • CIJE Science Lessons and Cart
2	Rocks and Minerals ↳ Conserving Resources	<ul style="list-style-type: none"> • Harcourt School Publishers <u>Science 3</u> • CIJE Science Lessons and Cart
3	Properties of Matter ↳ Forces and Motion ↳ Work and Machines	<ul style="list-style-type: none"> • Harcourt School Publishers <u>Science 3</u> • CIJE Science Lessons and Cart

TABR Grade 4 Science Overarching Science Objectives for 2013-2014

Students will:

- understand that Science is a process of observing, studying, and thinking in order to solve problems and answer questions about the universe.
- understand how the earth's atmosphere and water in the oceans impact on weather conditions all over the world.
- examine Earth and its relation to outer space.
- examine components of ecosystems.
- understand that electricity, and magnetism are forms of energy that interact with matter in ways that are useful to our everyday lives.

TRIMESTER	TOPICS	TEXTS AND MATERIALS
1	The Nature of Science  Weather and Space  Water Cycle	1. Harcourt School Publishers <u>Harcourt Science Grade 4</u> <ul style="list-style-type: none"> • <i>Using Science Process Skills</i> • <i>Earth and Space</i> • <i>Weather Unit</i> • <i>The Water Cycle</i>
2	Ecosystems	1. Harcourt School Publishers <u>Harcourt Science Grade 4</u> <ul style="list-style-type: none"> • <i>Looking at and Understanding Ecosystems</i> • <i>Energy Transfer in Ecosystems</i>
3	Matter and Energy  Sound, Light & Heat	1. Harcourt School Publishers <u>Harcourt Science Grade 4</u> <ul style="list-style-type: none"> • <i>Matter and Energy</i> • Sound • Light and Heat

TABR Grade 5 Science Overarching Science Objectives for 2013-2014

Students will:

- understand that Science is a process of observing, studying, and thinking in order to solve problems and answer questions about the universe.
- develop an understanding of different kinds of living things, how they adapt to their environments, and the processes they undergo to survive.
- understand how and why living things on Earth need and depend on other living things in the biosphere-Earth's life zone.
- understand that matter takes on many forms depending on its physical and chemical properties and the physical and chemical changes that take place.
- examine humans and the human body systems.
- understand how energy is generated, harnessed and used.

TRIMESTER	TOPICS	TEXTS AND MATERIALS
1	The Nature of Science ↻ Cells ↻ Living Things and Body Systems	1. Harcourt School Publishers <u>Harcourt Science Grade 5</u> <ul style="list-style-type: none"> • <i>Using Science Process Skills</i> • <i>Cells</i> • <i>Living Things and Human Body Systems</i>
2	Classifying Living Things ↻ Matter and its Properties ↻ Energy	1. Harcourt School Publishers <u>Harcourt Science Grade 5</u> <ul style="list-style-type: none"> • <i>Classifying Living Things</i> • <i>Properties of Matter</i> • <i>Energy</i>
3	The Rock Cycle ↻ Changes to Earth's Surface	1. Harcourt School Publishers <u>Harcourt Science Grade 5</u> <ul style="list-style-type: none"> • <i>Rock Cycle</i> • <i>Changes to Earth's Surface</i>