

## **4<sup>th</sup> Grade Scope and Sequence for Science Curriculum**

**The 4<sup>th</sup> grade Scope and Sequence follows the order of the standards according Tennessee state blue print: Scientific Method, Cell Structure and Function, Interaction Between Living Things and Environment, Food Production, Energy for Life, Heredity and Reproduction, Diversity and Adaptation, Biological Change, Earth and Its Place in the Universe, Atmospheric Cycles, Earth Features and Resources, Forces and Motion, Structure and Properties of Matter, Interactions of Matter, and Energy.**

**As 4<sup>th</sup> grade presently does not have a common textbook, the scope and sequence aligns to the Harcourt Science (new adoption), Discover Science, and Science Anytime texts where applicable. In addition to the texts and resources outlined in this scope and sequence, supplemental information is available at the following websites.**

**Science Online: <http://classroom.jc-schools.net/sci-units/>**

**Harcourt Science: <http://www.harcourtscience.com/>**

**United Streaming: <http://www.unitedstreaming.com/>**

<b>Week</b>	<b>Topic</b>	<b>Alignment</b>	<b>Lesson Development</b>	<b>Activities / Resources</b>	<b>Textbook Alignment</b>
1 Week	Scientific Process		Purpose Hypothesis Materials Procedure Observations Conclusion	<b>Resource Guide</b> Navigating the Scientific Method Vascular Experiment The Scientific Processes Observation Dairy Focus on a Cycle The Scientific Method	Discover Science Pg.1 – 5 Science Anytime Pg. x - xvi

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
1 Week	Cells Structure & Function	<p>Examine variety of plant &amp; animal cells</p> <p>Recognize basic structures of plant &amp; animal cells</p> <p>Identify animal and plant cell structures and functions</p>	<p>KWL Chart to Introduce</p> <p>Parts of Cells</p> <p>How do Plant Cells and Animal Cells Differ?</p> <p>Single Celled Organisms</p> <p>Construct Model Cell</p> <p><b><i>Integrated Instruction</i></b></p> <p><b>Reading:</b> Venn diagram - Compare &amp; Contrast Plant and Animal Cells</p> <p><b>Writing:</b> Cell in A Big Pond</p>	<p><b>Resource Guide</b> Living Yeast Get Part Smart One to Grow On</p> <p><b>KWL Chart &amp; Venn Diagram:</b> Scott Foresman Leveled Reader Resource Guide</p> <p><b>Microscope Activities:</b> <a href="http://www.si.edu/harcourt/science">www.si.edu/harcourt/science</a></p> <p><b>Jefferson Co. Science Online</b> <a href="http://classroom.jc-schools.net/sci-units/cells.htm">http://classroom.jc-schools.net/sci-units/cells.htm</a></p>	Harcourt Science Unit A Chap. 1

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
12 Weeks	<p>Interactions Between Living Things and Environment</p> <p>Food production</p> <p>Energy For Life</p> <p>Heredity and Reproduction</p> <p>Diversity and Adaptation</p> <p>Biological Change</p>	<p>Plant / Animal Interaction</p> <p>Specific Environment</p> <p>Environmental Change</p> <p>Organisms Affecting Environment</p> <p>Animals Obtaining Food</p> <p>Using Food For Energy</p> <p>Plant Structures / Edible Parts</p> <p>Ways Animals Obtain Oxygen</p> <p>Traits of Offspring / Parents</p> <p>Reproduction / Survival of Species</p> <p>Life Cycle</p> <p>Classification of Animal Groups</p> <p>Matching Plant / Animal Adaptations</p> <p>Organism Functions</p> <p>Match Organism Structures / Functions</p> <p>Fossil Examination</p> <p>Identify Organisms as Thriving, Threatened, Endangered, or Extinct</p> <p>Causes of Extinction</p>	<p>KWL Chart to Introduce</p> <p>Plant Classification</p> <p>Parts of a Flower</p> <p>Seed Development / Growth</p> <p>Germinating Seeds</p> <p>Provide Variable Conditions to Grow into Plants</p> <p>Animal Groups</p> <p>Ant Farm</p> <p>Animal Behavior</p> <p>Create an Animal / Insect Projects</p> <p>Animal Sort / Classification</p> <p>Green Plants / Energy</p> <p>Consumers</p> <p>Construct Food Chains</p> <p>Construct Food Webs</p> <p>Plant and Animal Adaptation</p> <p>Plant and Animal Survival</p> <p>Plant and Animal Adaptation within Environment</p>	<p><b>Resource Guide</b></p> <p>Searching for Answers</p> <p>Habitat Hunt</p> <p>Awesome Adaptations</p> <p>Here Come the Vertebrates</p> <p>What Fascinating Creatures!</p> <p>Natures Balancing Act</p> <p>What Might Happen If...?</p> <p>Veggies with Vigor</p> <p>Pretty Flowers</p> <p>Send in the Troops</p> <p>New Kid on the Block</p> <p>Fabulous Foods</p> <p>Sizing Up Cereals</p> <p>What Changes</p> <p>The Amazing Mammals</p> <p>If The Shoe Fits</p> <p>Go To the Head of the Class-ificztion</p> <p>Sleuthing For a Spine</p> <p>Investigating Vertebrates</p> <p>Survival Is the Name of the Game</p> <p>Shell Print</p> <p>Long, Long Ago</p> <p>Diffusion Not Confusion</p> <p>Take A Closer Look</p> <p>Life is a Cell-abration</p> <p>The Animal Olympics</p> <p>Animals at Risk</p>	<p>Harcourt Science Units A – C</p> <p>Discover Science Unit 1</p> <p>Science Anytime A - E</p>

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
			<p><b>Integrated Instruction</b></p> <p><b>Reading:</b> Graphic Organizers</p> <p>Venn diagram</p> <p>Vocabulary Frame</p> <p>Story Web</p> <p>Cause and Effect</p> <p>Sequencing</p> <p>Outlining</p> <p><b>Writing:</b> Description of Food Chain</p> <p>Story of Created Animal / Insect</p> <p><b>Social Studies:</b> Analyze different food chains based on habitats</p> <p>Migratory Path of the Monarch Butterfly</p>	<p><b>Graphic Organizers</b> Scott Foresman Leveled Reader Resource Guide</p> <p><b>Scott Foresman Basal Reader:</b></p> <p><b>Teacher's Manual /</b></p> <p><b>Selections and Activities</b></p> <p>“It’s a Cricket Life” Pg. 136  “Let it Grow” Pg. 158  “Where are they From” Pg. 180  “More About Grizzlies” Pg. 258  “I Love Guinea Pigs” Pg. 182  “What is a Badger” Pg. 196  “The Swimming Hole” Pg. 199  “Leapin Lizards” Pg. 214  “Komodo Dragons” Pg. 217  “Two Uncommon Lizards” Pg. 230</p> <p><b>Scott Foresman Leveled Readers</b></p> <p><b><i>The Bug Watch</i></b></p> <p><u>Animals in the City</u>  <u>Ants</u>  <u>Pig Newton Pops Up</u>  <u>Falcon Watch</u>  <u>A Prairie Home</u>  <u>Woodchuck’s New Helper</u>  Horned Lizards</p>	

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
				<p style="text-align: center;"><b>Trade Books</b></p> <p><u>Old People , Frogs, and Albert</u> by Nancy Hope Wilson</p> <p><u>Surprising Swimmers</u> By Anthony D. Fredericks</p> <p><u>Bears</u> By Ian Stirling</p> <p><u>Black Cowboy, Wild Horses: A true Story</u> By Julius Lester</p> <p><u>The Most Beautiful Roof in the World : Exploring the Rainforest Canopy</u> By Katherine Lasky</p> <p><b>Jefferson Co. Science Online:</b> <a href="http://classroom.jc-schools.net/sci-units/living-things.htm">http://classroom.jc-schools.net/sci-units/living-things.htm</a></p> <p><a href="http://classroom.jc-schools.net/sci-units/food.htm">http://classroom.jc-schools.net/sci-units/food.htm</a></p> <p><a href="http://classroom.jc-schools.net/sci-units/heredity.htm">http://classroom.jc-schools.net/sci-units/heredity.htm</a></p> <p><a href="http://classroom.jc-schools.net/sci-units/plants-animals.htm">http://classroom.jc-schools.net/sci-units/plants-animals.htm</a></p>	

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
				<p style="text-align: center;"><b>Videos</b></p> <p style="text-align: center;">“All About Birds”</p> <p style="text-align: center;">“All About Reptiles”</p> <p style="text-align: center;">“All About Mammals”</p> <p style="text-align: center;">“Really Wild Animals”</p> <p style="text-align: center;">“Eyewitness Video – Artic and Antarctica”</p> <p style="text-align: center;">“Eyewitness Video – Desert”</p> <p style="text-align: center;">“Eyewitness Video – Pond and River”</p> <p style="text-align: center;">“Really Wild Animals – Wonders Down Under”</p> <p style="text-align: center;">“All About Plant Structure and Growth”</p> <p style="text-align: center;">“All About Animal Needs”</p> <p style="text-align: center;">“All About Endangered and Extinct Animals”</p>	

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
3 weeks	Earth and Its Place in the Universe	<p>Identify the planets in order from the sun.</p> <p>Determine the order of the planets according to their distance from the sun.</p> <p>Recognize the length and position of shadows related to the location of the sun.</p> <p>Demonstrate how the Earth rotates and revolves.</p> <p>Simulate the changing shape of the moon.</p> <p>Identify the phases of the moon in correct sequence.</p>	<p>KWL Chart to Introduce Earth Movement</p> <p>The Moon's Movement</p> <p>Moon Phases diagrams</p> <p>Movement of the other Planets</p> <p>Solar System diagrams</p> <p>Other Objects Moving in the Solar System</p> <p><b>Integrated Instruction</b></p> <p><b>Reading:</b> Graphic Organizers</p> <p>Venn diagram</p> <p>Outlining</p> <p><b>Writing:</b> Imagine a Class Trip to other Planets</p> <p>Description of life on other planets</p> <p><b>Math:</b> Calendar for Moon Phases</p> <p>Sun Dial and Measurement of Shadows</p> <p>Chart distances from the Sun</p>	<p><b>Resource Guide</b>  A Phase Maze  Moon Watcher  Moon Math  Fly to the Moon  Cosmic Order  The Planetary Times  Terrestrial Tales  From Mercury to Pluto</p> <p><b>Graphic Organizers</b>  Scott Foresman Leveled Reader Resource Guide</p> <p><b>Scott Foresman Basal Reader: Teacher's Manual / Selections and Activities</b>  Constellation Activity Pg. 280h</p> <p>Space Probes to the Planets Pg. 535</p> <p><b>Scott Foresman Leveled Readers</b>  <u>The Moon: Our Neighbor in Space</u>  <u>How the Moon Came to Be</u>  <u>Keeper of the Night</u></p> <p><b>Trade Books</b>  <u>The Moon</u>  by Gail Gibbons</p> <p><u>Space</u>  By Mary Kay Carson</p>	<p>Harcourt Science Unit D</p> <p>Discover Science Chap. 12</p>

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
			<p><b>Social Studies:</b> Native American history of the Moon and its phases</p>	<p><u>Don't Know Much About the Solar System</u> by Kenneth Davis</p> <p><u>What Makes Day and Night</u> By Franklyn M. Branley</p> <p><b>Jefferson Co. Science Online</b> <a href="http://classroom.jc-schools.net/sci-units/earth.htm">http://classroom.jc-schools.net/sci-units/earth.htm</a></p> <p><b>Additional Websites</b> <a href="http://www.nineplanets.com">www.nineplanets.com</a></p> <p><a href="http://www.nasa.gov">www.nasa.gov</a></p> <p><b>Videos</b> "Science Rock – School House Rock Series"</p> <p>"All About the Moon"</p> <p>All About the Planets"</p> <p>"All About the Sun"</p>	

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
3 Weeks	Atmospheric Cycles	<p>Tools that measure atmospheric conditions – Barometer, thermometer, anemometer, and rain gauge</p> <p>Identify Cloud Types associated with specific weather</p> <p>Choose the appropriate instrument for measuring atmospheric conditions</p> <p>Describe how oceans affect weather and climate</p> <p>Identify the basic features of the water cycle</p>	<p>KLW Chart to Introduce</p> <p>Air Temperatures</p> <p>The Affects of Air Temperature</p> <p>Construct Cloud Types using Dryer Lint</p> <p>Weather Prediction</p> <p>Meteorologist Visit</p> <p><b>Integrated Instruction</b></p> <p><b>Reading:</b> Graphic Organizers</p> <p>Venn diagram</p> <p>Sequencing / Time line</p> <p><b>Writing:</b> Observe weather for a time period and write about the conclusions</p> <p><b>Math:</b> Chart / Graphs about weather observations</p> <p><b>Social Studies:</b> Follow weather patterns based on geography / location</p> <p><b>Health:</b> Sun Safety / Sunscreen</p>	<p><b>Resource Guide</b></p> <p>Weather Watcher</p> <p>Kinds of Clouds</p> <p>Holds Cloud Watch and Predict the Weather</p> <p>Weather Stations</p> <p>Math for Meteorologists</p> <p>Weather-Wise Literature</p> <p>Making A Rain Gauge</p> <p>Using Weather Logs</p> <p>Blowin' in the Wind</p> <p>Save it for a Rainy Day</p> <p>Under Pressure</p> <p>Nature's Hygrometer</p> <p>Why Do You Have the Climate You Have?</p> <p>Weather Watch</p> <p>Catch the Wind</p> <p>When Lightning Strikes</p> <p>Weather or Not!</p> <p>Where does the Water Go?</p> <p><b>Graphic Organizers</b></p> <p>Scott Foresman Leveled Reader</p> <p>Resource Guide</p> <p><b>Scott Foresman Leveled Readers</b></p> <p><u>Storm Chasers</u></p> <p><b>Trade Books</b></p> <p><u>Eye of the Storm: Chasing Storms with Warren Faidley</u></p> <p>By Stephen P. Kramer</p>	<p>Harcourt Science Unit D</p> <p>Discover Science Chap. 9</p>

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
				<p><u>Tornadoes Can Make it Rain</u>  <u>Crabs: Weird Facts About the</u>  <u>Worlds Worst Disasters</u>            By Melvin Berger</p> <p><u>Tornado</u>            By Betsy Byars</p> <p><u>Weather and Climate</u>            By Fiona Watt and Francis            Wilson</p> <p><b>Jefferson Co. Science Online</b>  <a href="http://classroom.jc-schools.net/sci-units/atmosphere.htm">http://classroom.jc-schools.net/sci-units/atmosphere.htm</a></p> <p><b>Additional Websites</b>  <a href="http://www.weather.com">www.weather.com</a></p> <p><b>Videos</b>            “All About the Water Cycle”            “All About Meteorology”            “All About Rain Snow, Sleet, and Hail”            “All About Wind and Clouds”            “Eyewitness Video – Weather”</p>	

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
3 Weeks	Earth Features & Resources	<p>Observe and Describe how wind and water changes geological features</p> <p>Recognize Geological Features</p> <p>Describe Earth's layers</p> <p>Classify Earth Materials</p> <p>Identify characteristics / components of Soil</p> <p>Identify renewable and nonrenewable resources</p>	<p>KWL Chart to Introduce</p> <p>The Layers of the Earth</p> <p>Volcanoes and Earthquakes</p> <p>Construct Model Volcanoes</p> <p>Weathering</p> <p>Rock Formation</p> <p>Make Fossils</p> <p>Recycling Project</p> <p>Trash Pickup</p> <p>The Importance of Oceans</p> <p>Movement of the Ocean</p> <p>Ocean Bottom</p> <p><b>Integrated Instruction</b></p> <p><b>Reading:</b> Graphic Organizers</p> <p>Venn diagram</p> <p>Sequencing / Time Line</p>	<p><b>Resource Guide</b></p> <p>Journey to the Center of the Earth</p> <p>Rock Detectives</p> <p>Our Changing Earth</p> <p>What's Down There?</p> <p>Earthly Thoughts</p> <p>Keep on Moving!</p> <p>Getting Carried Away</p> <p>Ocean Floor Adventure</p> <p>Ocean Floor Expedition</p> <p>Making Water Clean to Drink</p> <p>Resource Roundup</p> <p><b>Graphic Organizers</b></p> <p>Scott Foresman Leveled Reader</p> <p>Resource Guide</p> <p><b>Scott Foresman Basal Reader: Teacher's Manual / Selections and Activities</b></p> <p>"Predators and Prey" Pg. 318h</p> <p>"Animal Hide and Seek" Pg. 512h</p> <p>"Into the Sea" Pg. 515</p> <p><b>Scott Foresman Leveled Readers</b></p> <p><u>Lobstering</u></p>	<p>Harcourt Science Units C and D</p> <p>Discover Science Chap. 10 and 11</p> <p>Science Anytime Units B, D, and E</p>

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
			<p><b>Writing:</b> Newspaper story based on being a witness to a volcanic eruption</p> <p>Laws to Protect Ocean and Sea Life</p> <p>Analyze Life Under the Ocean</p> <p><b>Social Studies:</b> Identify the location of volcanoes and earthquakes.</p>	<p><b>Trade Books</b></p> <p><u>Common Ground: The Water, Earth, and Air we Share</u> By Molly Garrett Bang</p> <p><u>The Most Beautiful Roof in the World: Exploring the Rainforest Canopy</u> By Katherine Lasky</p> <p><u>Rachel Carson: Pioneer of Ecology</u> By Kathleen V. Kudlinski</p> <p><b>Jefferson Co. Science Online</b> <a href="http://classroom.jc-schools.net/sci-units/resources.htm">http://classroom.jc-schools.net/sci-units/resources.htm</a></p> <p><a href="http://classroom.jc-schools.net/sci-units/earth-features.htm">http://classroom.jc-schools.net/sci-units/earth-features.htm</a></p> <p><b>Videos</b></p> <p>“Eyewitness Videos – Artic and Antarctic”</p> <p>“Eyewitness Videos – Pond and River”</p> <p>“Eyewitness Videos – Desert”</p> <p>“All About Natural Resources”</p> <p>“All About Rocks and Minerals”</p> <p>“All About the Earth”</p>	

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3 Weeks	Forces and Motion	<p>Recognize the effects of Gravity</p> <p>Describe the Effects of Motion of an Object</p> <p>Analyze how Speed Affects Distance over Time</p> <p>Recognize Simple Machines</p> <p>Identify the factors that Affect Friction</p>	<p>KWL Chart to Introduce</p> <p>What Makes things Move?</p> <p>Relationship of Work and Energy</p> <p>Differentiating Surfaces / Amount of Friction</p> <p>Types of Machines</p> <p>Measuring Work</p> <p><b>Integrated Instruction</b></p> <p><b>Reading:</b> Graphic Organizers</p> <p>Venn diagram</p> <p>Cause &amp; Effect</p> <p><b>Writing:</b> Playing Sports with No Friction</p> <p><b>Math:</b> Rate (Time per Hour)</p>	<p><b>Resource Guide</b></p> <p>The Pull of Gravity</p> <p>Friction</p> <p>Balancing Weight</p> <p>Small Weights</p> <p>Pulleys</p> <p>Simple Circuits</p> <p>Around and Around</p> <p>It's Simply Simple Machines!</p> <p>Monkeying Around with Simple Machines</p> <p>Force is the Name of the Game</p> <p><b>Graphic Organizers</b></p> <p>Scott Foresman Leveled Reader Resource Guide</p> <p><b>Jefferson Co. Science Online</b></p> <p><a href="http://classroom.jc-schools.net/sci-units/force.htm">http://classroom.jc-schools.net/sci-units/force.htm</a></p> <p><b>Additional Websites</b></p> <p>Roller Costar Design</p> <p><a href="http://travel.discovery.com/ideas/theme_parks/rollercoasters/coasterrush.htm/">travel.discovery.com/ideas/theme_parks/rollercoasters/coasterrush.htm/</a></p> <p><a href="http://wings.avkids.com/Curriculums/Forces_Motion/index.html">wings.avkids.com/Curriculums/Forces_Motion/index.html</a></p> <p><b>Videos</b></p> <p>“What is Energy?”</p> <p>“All About Simple Machines”</p>	<p>Harcourt Science Units D and F</p> <p>Discover Science Chap. 6</p>

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
3 weeks	<p>Structures and Properties of Matter</p> <p>Interactions of Matter</p>	<p>Describe and compare observations of matter using the naked eye, magnifying glass, and microscope.</p> <p>Describe observable physical properties</p> <p>Select objects according to physical properties.</p> <p>Identify states of matter</p> <p>Determine how various types of matter change state</p> <p>Features associated with physical change</p> <p>Characteristics of different types of mixes</p> <p>Determine methods for separating mixtures</p>	<p>KWL Chart to Introduce</p> <p>What is Matter?</p> <p>Investigate 3 Properties of Matter Using Water</p> <p>What Makes up Matter?</p> <p>Ice Cream in a Bag</p> <p>Make Fruit Salad</p> <p>Make Kool – Aid</p> <p>Measuring Length and Volume</p> <p>Measuring Mass and Density</p> <p><b>Integrated Instruction</b></p> <p><b>Reading:</b> Graphic Organizers</p> <p>Venn Diagram</p> <p>Cause and Effect</p> <p><b>Writing:</b> Observe and write about forms of matter</p> <p>Recipe book of mixtures and solutions</p>	<p><b>Resource Guide</b></p> <p>Separating Mixtures</p> <p>Check out the Changes</p> <p>State Your Matter</p> <p>Float or Sink</p> <p>Floating Liquids</p> <p>Freezing and Melting</p> <p>Iceberg Ahoy!</p> <p>Seltzer Surprise</p> <p>As a Matter of Fact...</p> <p>It's Not a Matter of Opinion</p> <p><b>Graphic Organizers</b></p> <p>Scott Foresman Leveled Reader</p> <p>Resource Guide</p> <p><b>Jefferson Co. Science Online</b></p> <p><a href="http://classroom.jc-schools.net/sci-units/matter.htm">http://classroom.jc-schools.net/sci-units/matter.htm</a></p> <p><b>Videos</b></p> <p>“All About Properties of Matter”</p> <p>“All About Solids, Liquids, and Gases”</p>	<p>Harcourt Science Unit E</p> <p>Discover Science Chap. 5</p>

<b>Week</b>	<b>Topic</b>	<b>Alignment</b>	<b>Lesson Development</b>	<b>Activities / Resources</b>	<b>Textbook Alignment</b>
			<p><b>Math:</b> Estimation Scale / Balance Activities Conversion Units</p> <p><b>Social Studies:</b> Location of countries using customary units of measurement vs. US units of measurement</p>		

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
3 weeks	Electricity and Magnetism  Sound	Identify forms of energy  Describe light striking surfaces  Distinguish between volume and pitch and how each is controlled  Construct and explain a simple electrical circuit  Categorize materials as conductors or insulators  Recognize that various materials conduct heat	KWL Chart to Introduce  What is Electricity?  Christmas Lights Demonstration  Construct Simple Circuits  What is Magnetism?  Analyze Magnets / Magnetic Forces  Relationship of Electricity and Magnetism  What is Light?  Using different types of light  Visible Spectrum – Prism Demonstration  How does Light Travel?  Compare / Contrast Light and Sound  <b>Integrated Instruction</b>  <b>Writing:</b> A Day With No Electricity  <b>Math:</b> Analyze the Speed of Light vs. the Speed of Sound	<b>Resource Guide</b> A Kaleidoscope Split Personality Home Grown Xylophone Music to My Ears Pop Music A Rubber Band Band How do Circuits Work? Invisible Patterns Testing for Conductors Liquid Conductors Stuck on Electromagnets Fishin' For Magnets Flying High! Magical Magnetism Got the Message? A Bright Idea Socket and Switch 'Em Making Connections Series Business Side by Side Mixing Colors Separating Colors Bubbles and Fizz Shadow Puppets Through the Drinking Glass Hot, Hotter, Hottest See-Through Shirt Shadow Clock Projecting Images Looking into Light Sound Investigations Hot Stuff! Let's Hear It for Sound! Do You Hear what I Hear? Cookin' with Color! It's Electrifying Different Pitches Bouncing Sounds The Sound Drum	Harcourt Science Unit F  Discover Science Chap. 7 & 8  Science Anytime Unit C

Week	Topic	Alignment	Lesson Development	Activities / Resources	Textbook Alignment
				<p><b>Graphic Organizers</b> Scott Foresman Leveled Reader Resource Guide</p> <p><b>Reading A –Z</b> “How Sound Works”</p> <p><b>Scott Foresman Basal Reader:</b></p> <p><b>Teacher’s Manual /</b></p> <p><b>Selections and Activities</b> “Bright Idea” Pg. 612g</p> <p><b>Jefferson Co. Science Online</b> <a href="http://classroom.jc-schools.net/sci-units/energy.htm">http://classroom.jc-schools.net/sci-units/energy.htm</a></p> <p><b>Videos</b> “All About the Uses of Energy” “What is Energy?” “All About Electricity” “All About Magnets”</p>	