

**PRESCOTT UNIFIED SCHOOL DISTRICT**  
**District Instructional Guide**  
**Date Revised 6/01**

<b>Grade Level: Fifth</b>	<b>Subject: Science</b>	<b>Time: Quarter 1</b>	<b>Core Text: Pearson</b>
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<b>Time</b>	<b>Topic</b>	<b>Content (Nouns)</b>	<b>Skills (Verbs)</b>	<b>Standards</b>
4 weeks	Lunar Cycle Gravity Earth's Rotation	rotation, revolution, satellite, lunar, celestial, gravity, planet, stars, asteroid, comet, mass, moonphase, axis, orbit, solar system	Describe how Earth's rotation results in day and night at any particular location. Distinguish between revolution and rotation. Describe how the Moon's appearance changes during a four-week lunar cycle. Describe the role of gravity as an attractive force between celestial objects.	<b>Strand 6</b> <b>Concept 1</b> <b>PO 1-4</b>
4 weeks	Relationships and characteristics of our solar system	rotation, revolution, satellite, lunar, celestial, gravity, planet, stars, asteroid, comet, mass, moonphase, axis, orbit, solar system	Identify the known planets of the solar system. Describe the distinguishing characteristics of the known planets in the solar system. Describe various objects in the sky (e.g., asteroids, comets, stars, meteors/shooting stars). Explain the apparent motion of the Sun and stars.	<b>Strand 6</b> <b>Concept 3</b> <b>PO 1-6</b>

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<b>Grade Level: Fifth</b>	<b>Subject: Science</b>	<b>Time: Quarter 2</b>	<b>Core Text: Pearson</b>
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<b>Time</b>	<b>Topic</b>	<b>Content (Nouns)</b>	<b>Skills (Verbs)</b>	<b>Standards</b>
8 weeks	Simple Machines  Force and Motion	acceleration, force, friction, speed, velocity, gravity	<p><b>Describe</b> the following forces: gravity, friction <b>Describe</b> the various effects forces can have on an object (e.g., cause motion, halt motion, change direction of motion, cause deformation).</p> <p><b>Examine forces and motion through investigations</b> using simple machines (e.g., wedge, plane, wheel and axle, pulley, lever).</p> <p><b>Demonstrate effects of variables</b> on an object's motion (e.g., incline angle, friction, applied forces).</p>	<p><b>Strand 5</b>  <b>Concept 2</b>  <b>PO 1-4</b></p>

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<b>Grade Level: Fifth</b>	<b>Subject: Science</b>	<b>Time: Quarter 3</b>	<b>Core Text: Pearson</b>
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<b>Time</b>	<b>Topic</b>	<b>Content (Nouns)</b>	<b>Skills (Verbs)</b>	<b>Standards</b>
8 weeks	Properties of matter	Mass, Matter, Molecules, Atoms, Mixture, Compound, Physical Change, Chemical Change	Identify that matter is made of smaller units called: • molecules (e.g., H <sub>2</sub> O, CO <sub>2</sub> ) • atoms (e.g., H, N, Na) Distinguish between mixtures and compounds. Describe changes of matter: • physical – cutting wood, ripping paper, freezing water • chemical – burning of wood, rusting of iron, milk turning sour	<b>Strand 5</b> <b>Concept 1</b> <b>PO 1-3</b>

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<b>Grade Level: Fifth</b>	<b>Subject: Science</b>	<b>Time: Quarter 4</b>	<b>Core Text: Pearson</b>
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<b>Time</b>	<b>Topic</b>	<b>Content (Nouns)</b>	<b>Skills (Verbs)</b>	<b>Other Standards</b>
6 weeks	Structures and functions of organisms	voluntary, involuntary, muscles, nervous system, skeletal system, cardiac, smooth, spinal cord	<p><b>Identify</b> the functions and parts of the skeletal system.</p> <p><b>Identify</b> the following types of muscles:</p> <ul style="list-style-type: none"> <li>• cardiac – heart</li> <li>• smooth – stomach</li> <li>• skeletal – biceps</li> </ul> <p><b>Identify</b> the functions and parts of the nervous system.</p> <p><b>Distinguish</b> between voluntary and involuntary responses.</p>	<p><b>Strand 4</b>  <b>Concept 1</b>  <b>PO 1-4</b></p>
2 weeks	Impact of naturally occurring variables on habitats.	habitat, resources, hazards, solutions	<p><b>Explain</b> the impacts of natural hazards on habitats (e.g., global warming, floods, asteroid or large meteor impacts)</p> <p><b>Propose a solution, resource, or product</b> that addresses a specific human, animal, or habitat need.</p> <p><b>Evaluate the possible strengths and weaknesses</b> of a proposed solution to a specific problem relevant to human, animal, or habitat needs.</p>	<p><b>Strand 3</b>  <b>Concept 1</b>  <b>PO 1-3</b></p>