

4th Grade Science Curriculum Map

2025-2026

Month	Standard/Learning Target	Program Materials/Resources	Topic Vocabulary	Assessment	Writing
September- November	<p><i>Science</i> 4-PS4-2 4-LS1-1 4-LS1-2</p> <p><i>ELA Connections:</i> 4W1 4SL5</p> <p><i>Math Connections:</i> NY-4.G.1</p>	<p>BOCES Kit</p> <p>Parts of a Whole: Internal and External Plant and Animal Structures</p> <p>Student Packet</p>	<p>abdomen, annual, antenna, antennule, basal disk, bud, bulb, carapace, cephalothorax, chlorophyll, eye, function, gravitropism, grow, habitat, herbivores, lateral bulb, maxilliped, nastic response, perennial, photosynthesis, phototropism, pincer, reproduce, response, roots, scales, shoot, stimulus, stomata, structure, survive, swimmerets, telson, toxins,, tunic, twining, uropod, and walking legs</p>	<p>-Observation Records -Class Work -Quizzes -Science Kits</p> <p>-End STEAM Activity: NYS animal research project</p>	<p>-KWL chart -vocabulary -Venn Diagrams -complete sentence responses -summary paragraph -labeling -observations -recording facts -final canva project</p>
December- January	<p><i>Science</i> 4-PS3-1 4-PS3-2 4-PS3-3 4-PS3-4</p> <p><i>ELA Connections:</i> 4R1 4R3 4W2 4W6 4W7 4W8</p>	<p>BOCES Kit</p> <p>Full of Potential: The Effects of Energy</p> <p>Student Packet</p>	<p>Chemical energy, collision, conserve, diagram, electrical energy, energy, evidence, generator, kinetic, light energy, passage, potential, sound energy, thermal energy, transfer, and turbine</p>	<p>-Observation Records -Class Work -Energy Quiz -Science Kits</p> <p>-End STEAM Activity: Marble Run</p>	<p>-note taking -vocabulary -complete sentences -reflection writing -experiment data -experiment planning, redesign, and explanation</p>

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<p><i>January</i></p>	<p><i>Science</i> 4-PS3-1 4-PS3-2 4-PS3-3 4-PS3-4</p>	<p>Science Investigation Grade 4 Light It Up</p>			
<p><i>February- March</i></p>	<p><i>Science</i> 4-PS4-1 4-PS4-3 <i>ELA Connections:</i> 4SL5 <i>Math Connections:</i> MP.4 NY-4.G.1</p>	<p>BOCES Kit Makin' Waves: Patterns of Waves and Information Transfer Student Packet BOCES EIE Kit- Submersibles</p>	<p>Amplitude, binary code, block, concave, convex, crest, cross, fiber optics, interference, light wave, metronome, microscope, Morse code, pitch, reflection, refraction, sound wave, trough, volume, wave, wavelength</p>	<p>-Observation Records -Class Work -Quizzes -Science Kits -End STEAM Activity: Choice Project</p>	<p>-note taking -complete sentences -vocabulary -reflection writing</p>

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<p>March-June</p>	<p><i>Science</i> 4-ESS1-1 4-ESS2-2 4-ESS3-2</p> <p><i>ELA Connections:</i> 4R1 4R7 4W6 4W7 4W5</p> <p><i>Math Connections:</i> MP.2 MP.4 NY-4.MD.1 NY-4.MD.2 NY-4.OA.1</p>	<p>BOCES Kit</p> <p>Centuries of Change: Processes that Shape the Earth</p> <p>Student Packet</p> <p>BOCES EIE Kit – Solar Oven</p>	<p>Basin, continental plate, convergent boundary, core, crust, decompose, divergent boundary, earthquake, erosion, fault, fossil, fossil fuel, geosphere, hydrosphere, landform, landscape, lava, magma, mantle, natural gases, nonrenewable, oceanic plate, organisms, plate boundary, plate tectonics, remains, ridge, sediment, tectonic plates, terrain, transform boundary, trench, trough, volcano, and weathering</p>	<p>-Observation Records -Class Work -Quizzes -Science Kits</p> <p>-End STEAM Activity Earthquake and Volcano Canva research projects</p>	<p>-inquiry questions -KWL charts -vocabulary -complete sentences -reflection paragraphs -venn diagrams -experiment observations -read and response -note taking</p>
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