



2nd 9 weeks Parent Syllabus – Grade 5 Science

Listed below are skills we expect your child to be able to perform and the vocabulary that will be used in the classroom both orally and written

Physical/Life Science	I can Statements	Vocabulary
	<p><u>P.5.6: I can understand the factors that affect motion using Newton's Laws.</u></p> <p>P.5.6.1: I can obtain, communicate, and describe the effect of gravity on an object.</p> <p>P.5.6.2: I can predict the motion of objects based on past observation and measurement based on position, direction and speed.</p> <p>P.5.6.3: I can develop and design models to explain the amount and type of force, contact and noncontact and the effects of motion.</p> <p>P.5.6.4: I can plan and conduct scientific investigations to test the effects of balanced and unbalanced forces of speed and direction of objects in motion.</p> <p>P.5.6.5: I can predict how change of force, mass, and/or friction affects the motion of an object to convert potential into kinetic energy.</p> <p>P.5.6.6: I can design a system to increase the effects of friction on the motion of an object.</p>	<p>physical change, chemical change, motion, force, inertia, speed, velocity, acceleration, newton, balanced force, unbalanced force, gravity, friction, energy, potential energy, kinetic energy, chemical potential energy, elastic potential energy, gravitational potential energy, conductor, insulator, hypothesis, controlled experiment, variable, observation, inferences, predictions, purpose, conclusion</p>
	<p><u>L.5.3A: I can demonstrate an understanding of photosynthesis and energy transfer from the sun.</u></p> <p>L.5.3A.1: I can understand and demonstrate an understanding of photosynthesis.</p> <p>L.5.3A.2: I can understand the transfer of chemical energy necessary for plant growth and survival.</p> <p><u>L.5.3.B: I can demonstrate an understanding of a ecosystem and all the parts of it.</u></p> <p>L.5.3B.1: I can obtain and evaluate information regarding different ecosystems and organisms that live in it.</p> <p>L.5.3B.2: I can use a food chain to classify organisms.</p>	<p>organism, food chain, food web, producer, primary consumer, secondary consumer, herbivore, omnivore, carnivore, decomposer, habitat, niche, ecosystem, phylum, xylem, cellular respiration, carbon dioxide, chloroplasts,</p>

	<p>L.5.3B.3: I can use a food web to justify effects species have on the web.</p> <p>L.5.3B.4: I can communicate information that explains human's position in a food web and the potential impacts on these systems.</p>	<p>chlorophyll, vascular plants, nonvascular plants, gymnosperm, angiosperm, spore</p>
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