

## FIFTH GRADE SCIENCE

Science topics for fifth graders include the classification of organisms, the energy of sound and light, force and motion, and the skeletal system. Inquiry Projects, with a focus on technical writing, are displayed at the GHCDs Science Fair, where students have the opportunity to present their research to an audience of professionals and parents.

	LIFE SCIENCE	PHYSICAL SCIENCE	EARTH SCIENCE
	<p>5-LS1-1: Support an argument that plants get the materials they need for growth chiefly from air and water.</p> <p>gardening</p>	<p>5-PS1-1: Develop a model to describe that matter is made of particles too small to be seen.</p> <p>Work, forces, Motion (simple machines, newton's laws)...one quarter of fifth grade.</p>	<p>4-ESS1-1: Identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time.</p>
	<p>4-LS1-2: Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.</p> <p>mealworm experiments Living vs. non-living. Characteristics of living things. Adaptations</p> <p>science court, brine shrimp eggs (dormant).</p>	<p>5-PS1-2: Measure and graph quantities to provide evidence regardless of the type of change that occurs when heating, cooling, or mixing substances, eh total weight of matter is conserved.</p> <p>5-PS1-3: Make observations and measurements to identify materiials based on their properties.</p>	<p>4-ESS2-1: Make observations and/or measurements to provide evidence for the effects of weathering or the reactive of erosion by water, ice, wind or vegetation.</p> <p>4-ESS2-2: Analyze and interpret data from maps to describe patterns of Earth's features.</p>

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		5-PS1-4: Conduct an investigation to determine whether the mixing of two more more substances results in new substances.	5-ESS2-1: Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.
		5-PS2-1: Support and argument that the gravitational force exerted by Earth on objects is directed down.	5-ESS2-2: Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.
		MS-PS2-1: Apply Newton's Third Law to design a solution to a problem involving the motion of two colliding objects.	5-ESS3-1: Obtain and combine information about ways individual communities use science ideas to protect the earth's resources and environment.