Alabama Science AAS

Grade 8

Matter and Its Interactions	**1** Identify and compare the properties (e.g., solubility, density, color, texture, state of matter) of pure substances (e.g., tin, diamond, water, baking soda). SCI.AAS.8.1
	2 Identify what happens to the state of a pure substance when thermal energy is added or removed. SCI.AAS.8.2
	3 Differentiate between pure substances and mixtures. SCI.AAS.8.3
	6 Recognize that a change has occurred during a chemical reaction (e.g., burning sugar, burning steel wool, rust, effervescent tablets). SCI.AAS.8.6
Motion and Stability: Forces and Interactions	**9** Identify factors that affect acceleration of an object. SCI.AAS.8.9
	11 Recognize that an object at rest remains at rest if not acted on by an outside force. SCI.AAS.8.11
	11b Describe the motion of two colliding objects before and after the collision. SCI.AAS.8.11B
	12 Investigate the effect of distance on the magnetic force of two magnets. SCI.AAS.8.12
	12a Investigate the effect of increasing the number of wire turns in the electromagnet on its strength to pick up items. SCI.AAS.8.12A
Energy	**15** Make observations about energy transfers in common everyday occurrences (e.g., bowling ball hitting pins, brakes being applied to a bicycle or car). SCI.AAS.8.15
Waves and Their Applications in Technologies for Information	**17** Use a model to investigate ways to change the properties of a simple wave (frequency, amplitude, wavelength). SCI.AAS.8.17
	17a Investigate how light and sound waves travel through a variety of media. SCI.AAS.8.17A
	18 Recognize that common communication devices use electromagnetic waves to transmit information and that these electromagnetic waves are invisible to the human eye. SCI.AAS.8.18