

WV CSO Curriculum Planning Tool

Sixth Grade Science

Standard	Objective	Projected Date	Date Taught	Date Assessed	Date Re-Taught	Date Re-Assessed
Standard 1:	SC.6.1.1 scientists formulate & test using observation/experiments					
	SC.6.1.2 scientific knowledge is subject to modification					
	SC.6.1.3 careers and contributions of men & women of diverse cultures					
	SC.6.1.4 historical significance of scientific discoveries					
Standard 2:	SC.6.2.1 cooperate and collaborate					
	SC.6.2.2 observations, reasoning, objectivity, perseverance & integrity in data					
	SC.6.2.3 skepticism, careful methods, logical reasoning & creativity					
	SC.6.2.4 scientific instruments to conduct investigations & experiments					
	SC.6.2.5 safe techniques					
	SC.6.2.6 scientific processes and thinking skills					
	SC.6.2.7 charts, graphs & tables					
	SC.6.2.8 inferential reasoning to make logical conclusions from data					
	SC.6.2.9 gather data; graph data; interpret data; & analyze					
Standard 3:	SC.6.3.1 relationship between parts to whole system					
	SC.6.3.2 construct a variety of useful models of an object, event, or process.					
	SC.6.3.3 changes that occur in an object or a system					
	SC.6.3.4 variation in scale					
Standard 4:	SC.6.4.1 interconnections of biological, earth & space & physical science					
	SC.6.4.2 cycles that provide energy					
	SC.6.4.3 classify living organisms according to their structure and functions.					
	SC.6.4.4 compare the similarities					
	SC.6.4.5 abiotic & biotic factors affect interdependence					
	SC.6.4.6 models of plant & animal cells which show the basic parts					
	SC.6.4.7 compare growth patterns in different plants					
	SC.6.4.8 changes in populations of organisms due to environmental factors					
	SC.6.4.9 ecological consequences of human interactions with environment					
	SC.6.4.10 classify and investigate properties and processes (changes)					
	SC.6.4.11 investigate the composition of matter					
	SC.6.4.12 investigate the formation and separation of simple mixtures.					
	SC.6.4.13 use indicators to identify substances as acidic, basic or neutral.					
	SC.6.4.14 identify the symbols of elements.					
	SC.6.4.15 periodic table to identify elements					
	SC.6.4.16 describe properties of matter					
	SC.6.4.17 electromagnetic spectrum					
	SC.6.4.18 identify factors affecting reflection and refraction					
	SC.6.4.19 absorption and reflection of light					
	SC.6.4.20 describe the flow of heat between objects					
	SC.6.4.21 diagram simple parallel and series circuits					
	SC.6.4.22 interpret the relationship of mass to gravitational force					
	SC.6.4.23 simple machines and the forces involved					
	SC.6.4.24 motion in terms of frames of reference & analyze graphs depicting					
	SC.6.4.25 track major atmospheric events.					
	SC.6.4.26 describe and demonstrate the forces and results of plate tectonics.					
	SC.6.4.27 changes in rock record due to geologic & physical events					
	SC.6.4.28 recognize the phases of the Moon.					
	SC.6.4.29 investigate models of Earth-Moon-Sun relationships					
	SC.6.4.30 compare the Earth's tilt and revolution to the seasonal changes.					
Standard 5:	SC.6.5.1 given a set of attributes, produce a product or process					
	SC.6.5.2 evaluate appropriateness of materials & procedures					
Standard 6:	SC.6.6.1 scientific reasoning to make informed personal decisions					
	SC.6.6.2 evaluate and critically analyze mass media reports					
	SC.6.6.3 critically analyze effects of science and technology					
	SC.6.6.4 science, technology, society and career opportunities.					
	SC.6.6.5 analyze the positive and negative effects of technology					

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