Kentucky Alternate Assessment



Kentucky Academic Standards Alternate Assessment Targets

Grade 11 Science

DOMAIN	Standard	Target
Earth Science		
Sci 11.1	Kentucky Academic Standard: Plan and conduct an investigation of	Alternate Assessment Target: Use evidence from an
	the properties of water and its effects on Earth materials and	investigation to explain the interaction between the
	surface processes. [Clarification Statement: Emphasis is on	properties of water (e.g. expansion when freezes, high
Test	mechanical and chemical investigations with water and a variety of	specific heat, capacity to absorb or release heat, water
Window 1	solid materials to provide evidence for the connections between	as a solvent, ability to transport materials) and its
	the hydrologic cycle and system interactions commonly known as	effects on Earth's materials and surface processes.
	the rock cycle. Examples of mechanical investigations include	
	stream transportation and deposition using a stream table, erosion	EARTH SCIENCE PROGRESSION
	using variations in soil moisture content, and frost wedging by the	
	expansion of water as it freezes. Examples of chemical	
	investigations include chemical weathering and recrystallization (by	
	testing the solubility of different materials) or melt generation (by	
	examining how water lowers the melting temperature of moist	
	solids).] HS-ESS2-5 Life Science	
C-: 11C44.2		Alternate Assessment Townst Firebooks avidence that
Sci HS11.2	Kentucky Academic Standard: Evaluate the evidence supporting	Alternate Assessment Target: Evaluate evidence that
Life Science 1	claims that changes in environmental conditions may result in: (1) increases in the number of individuals and some species, (2) the	supports the claim that changes to the environment (e.g. deforestation, fishing, drought, and flood) affect
Test	emergence of new species over time, and (3) extinction of other	the distribution or disappearance of traits in species
Window 1	species. [Clarification Statement: Emphasis is on determining cause	which may result in: (1) increases in the number of
	and effect relationships for how changes to the environment such	individuals of some species, (2) the emergence of new
	as deforestation, fishing, application of fertilizers, drought, flood,	species over time and (3) extinction of other species.
	and the rate of change of the environment affect the distribution or	species over time and (s) extinction of other species.
	disappearance of traits in species.] HS-LS4-5	LIFE SCIENCE 1 PROGRESSION
Sci HS11.4	Kentucky Academic Standard : Evaluate the claims, evidence, and	Alternate Assessment Target: Evaluate evidence that
Life Science	reasoning that the complex interactions in ecosystems maintain	interactions in ecosystems remain relatively consistent
2	relatively consistent numbers and types of organisms in stable	over time in stable conditions (in terms of numbers and
Test	conditions, but changing conditions may result in a new ecosystem.	types of organisms), but ecosystems can change as a
Window 2	[Clarification Statement: Examples of changes in ecosystem	result of disruptions (e.g. farming, hunting, flooding,
William Z	conditions could include modest biological or physical changes,	

DOMAIN	Standard	Target
	such as moderate hunting or a seasonal flood, and extreme	fire, or volcanic eruption) that are moderate to
	changes, such as volcanic eruption or a sea-level rise.] HS-LS2-6	extreme.
		<u>LIFE SCIENCE 2 PROGRESSION</u>
	Physical Science	
Sci HS11.3	Kentucky Academic Standard : Apply scientific and engineering	Alternate Assessment Target: Evaluate the design of a
Physical	ideas to design, evaluate, and refine a device that minimizes the	device that minimizes the force on an object during a
Science 2	force on a macroscopic object during a collision. [Clarification	collision and make suggestions for improvement.
Test	Statement: Examples of evaluation and refinement could include	
Window 1	determining the success of a device at protecting an object from	PHYSICAL SCIENCE 2 PROGRESSION
	damage and modifying the design to improve it. Examples of a	
	device could include a football helmet or a parachute.] HS-PS2-3	
Sci HS11.6	Kentucky Academic Standard : Construct and revise an explanation	Alternate Assessment Target: Construct an explanation
Physical	for the outcome of a simple chemical reaction based on the	for the outcome of a simple chemical reaction (specific
Science 1	outermost electron states of atoms, trends in the periodic table,	to elements in families 1, 2, and 13-18) based on the
Test	and knowledge of the patterns of chemical properties.	outermost electron states of atoms and trends in the
Window 2	[Clarification Statement: Examples of chemical reactions could	periodic table.
WilliaoW 2	include the reaction of sodium and chlorine, carbon and oxygen, or	
	carbon and hydrogen.] HS-PS1-2	PHYSICAL SCIENCE 1 PROGRESSION
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	Engineering and Technology	
Sci HS11.5	Kentucky Academic Standard: Evaluate a solution to a complex	Alternate Assessment Target: Evaluate a solution to a
Engineering	real-world problem based on prioritized criteria and trade-offs that	real-world problem based on criteria and trade-offs
and	account for a range of constraints, including cost, safety, reliability,	that account for a range of constraints including cost,
Technology	and aesthetics, as well as possible social, cultural and	safety, reliability, as well as social and environmental
Test	environmental impacts. HS-ETS1-3	impacts.
Window 2	·	
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