Kentucky Alternate Assessment

7th Grade Science

Make predictions based on patterns and explain interactions among organisms in different ecosystems (interactions include competitive, predatory, and mutually beneficial). SCI 7.4	**LS 2** **Make predictions based on patterns and explain interactions among organisms in different ecosystems (interactions include competitive, predatory, and mutually beneficial).** SCI 7.4
Define the criteria and constraints of a design problem to ensure a successful solution, and potential impacts on people and the environment that may limit possible solutions. SCI 7.5	**ET** **Define the criteria and constraints of a design problem to ensure a successful solution, and potential impacts on people and the environment that may limit possible solutions.** SCI 7.5
Interpret data on the characteristic physical and chemical properties of substances before and after the substances interact to determine if a chemical reaction has occured. SCI 7.6	**PS 1** **Interpret data on the characteristic physical and chemical properties of substances before and after the substances interact to determine if a chemical reaction has occured.** SCI 7.6
Use of revise a model to describe the cycling of water (including changes in state of water) through Earth's systems (land, ocean, and atmosphere) driven by energy from the sun and the force of gravity. SC	**ES** **Use of revise a model to describe the cycling of water (including changes in state of water) through Earth's systems (land, ocean, and atmosphere) driven by energy from the sun and the force of gravity.** SCI 7.1

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Support a scientific explanation using evidence to describe how environmental factors (e.g., availability of food, light, space, water, drought) influence the growth of organisms (plants and animals). SCI 7.2	**LS 1** **Support a scientific explanation using evidence to describe how environmental factors (e.g., availability of food, light, space, water, drought) influence the growth of organisms (plants and animals).** SCI 7.2
With peer or teacher support, plan an investigation and use evidence to determine how change in an object's motion depends on the net force on the object and the mass of the object.	**PS 2** **With peer or teacher support, plan an investigation and use evidence to determine how change in an object's motion depends on the net force on the object and the mass of the object.**