

# Kentucky Alternate Assessment



## Kentucky Academic Standards Alternate Assessment Targets

### Grade 7 Science

DOMAIN	Standard	Target
Earth Science		
Sci 7.1  <b>Test Window 1</b>	<b>Kentucky Academic Standard :</b> Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity. [Clarification Statement: Emphasis is on the ways in which water changes its state as it moves through the multiple pathways of the hydrologic cycle. Examples of models can be conceptual or physical.] 06-ESS2-4	<p><b><i>Alternate Assessment Target: Use or revise a model to describe the cycling of water (including changes in the state of water) through Earth's systems (land, ocean, and atmosphere) driven by energy from the sun and the force of gravity.</i></b></p> <p><a href="#">EARTH SCIENCE PROGRESSION</a></p>
Life Science		
Sci 7.2  <i>Life Science 1</i> <b>Test Window 1</b>	<b>Kentucky Academic Standard :</b> Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms. [Clarification Statement: Examples of local environmental conditions could include availability of food, light, space, and water. Examples of genetic factors could include large breed cattle and species of grass affecting the growth of organisms. Examples of evidence could include drought decreasing plant growth, fertilizer increasing plant growth, different varieties of plant seeds growing at different rates in different conditions, and fish growing larger in large ponds than in small ponds.] 07-LS1-5:	<p><b><i>Alternate Assessment Target: 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).</i></b></p> <p><a href="#">LIFE SCIENCE 1 PROGRESSION</a></p>
Sci 7.4  <b>Test Window 2</b>	<b>Kentucky Academic Standard :</b> Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.[Clarification Statement: Examples of evidence could include the needs and characteristics of the organisms and habitats involved. The organisms and their habitats make up a system in which the parts depend on each other.] 3-LS4-3	<p><b><i>Alternate Assessment Target: Support an argument with evidence that in a particular habitat some organisms can survive well, while other organisms struggle or may even die.</i></b></p> <p><a href="#">LIFE SCIENCE 2 PROGRESSION</a></p>

DOMAIN	Standard	Target
Physical Science		
Sci 7.3  <b>Test Window 1</b>	<b>Kentucky Academic Standard:</b> Plan an investigation to provide evidence that the change in an object's motion depends on the sum of the forces on the object and the mass of the object. [Clarification Statement: Emphasis is on balanced (Newton's First Law) and unbalanced forces in a system, qualitative comparisons of forces, mass and changes in motion (Newton's Second Law), frame of reference, and specification of units.] 06-PS2-2	<i><b>Alternate Assessment Target: Make observations and/or use measurements of an object's motion to provide evidence that patterns can be used to predict future motion.</b></i>  <a href="#">PHYSICAL SCIENCE 2 PROGRESSION</a>
Sci 7.6  <b>Test Window 2</b>	<b>Kentucky Academic Standard :</b> Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred. [Clarification Statement: Examples of reactions could include burning sugar or steel wool, fat reacting with sodium hydroxide, and mixing zinc with hydrogen chloride.] 07-PS1-2	<i><b>Alternate Assessment Target: Interpret data on the characteristic physical and chemical properties of substances before and after the substances interact to determine if a chemical reaction has occurred.</b></i>  <a href="#">PHYSICAL SCIENCE 1 PROGRESSION</a>
Engineering and Technology		
Sci 7.5  <b>Test Window 2</b>	<b>Kentucky Academic Standard :</b> Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions. MS-ETS1-1	<i><b>Alternate Assessment Target: 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.</b></i>  <a href="#">ENGINEERING AND TECHNOLOGY PROGRESSION</a>