

Texas Essential Knowledge and Skills (TEKS) 2010-11

TEKS	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
<p style="text-align: center;">Science Concept</p> 	<p>(5) Matter and energy. The student knows that objects have properties and patterns. The student is expected to:</p>	<p>(5) Matter and energy. The student knows that objects have properties and patterns. The student is expected to:</p>	<p>(5) Matter and energy. The student knows that matter has physical properties and those properties determine how it is described, classified, changed, and used. The student is expected to:</p>	<p>(5) Matter and energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used. The student is expected to:</p>	<p>(5) Matter and energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used. The student is expected to:</p>	<p>(5) Matter and energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used. The student is expected to:</p>
<p style="text-align: center;">(A)</p> 	<p>(A) observe and record properties of objects, including relative size and mass, such as bigger or smaller and heavier or lighter, shape, color, and texture</p>	<p>(A) classify objects by observable properties of the materials from which they are made such as larger and smaller, heavier and lighter, shape, color, and texture</p>	<p>(A) classify matter by physical properties, including shape, relative mass, relative temperature, texture, flexibility, and whether material is a solid or liquid</p>	<p>(A) measure, test, and record physical properties of matter, including temperature, mass, magnetism, and the ability to sink or float</p>	<p>(A) measure, compare, and contrast physical properties of matter, including size, mass, volume, states (solid, liquid, gas), temperature, magnetism, and the ability to sink or float</p>	<p>(A) classify matter based on physical properties, including mass, magnetism, physical state (solid, liquid, and gas), relative density (sinking and floating), solubility in water, and the ability to conduct or insulate thermal energy or electric energy</p>

<p>(B)</p> 	<p>(B) observe, record, and discuss how materials can be changed by heating or cooling</p>	<p>(B) predict and identify changes in materials caused by heating and cooling such as ice melting, water freezing, and water evaporating</p>	<p>(B) compare changes in materials caused by heating and cooling</p>	<p>(B) describe and classify samples of matter as solids, liquids, and gases and demonstrate that solids have a definite shape and that liquids and gases take the shape of their container</p>	<p>(B) predict the changes caused by heating and cooling such as ice becoming liquid water and condensation forming on the outside of a glass of ice water</p>	<p>(B) identify the boiling and freezing/melting points of water on the Celsius scale</p>
<p>(C)</p> 			<p>(C) demonstrate that things can be done to materials to change their physical properties such as cutting, folding, sanding, and melting</p>	<p>(C) predict, observe, and record changes in the state of matter caused by heating or cooling</p>	<p>(C) compare and contrast a variety of mixtures and solutions such as rocks in sand, sand in water, or sugar in water</p>	<p>(C) demonstrate that some mixtures maintain physical properties of their ingredients such as iron filings and sand</p>

(D)



(D) combine materials that when put together can do things that they cannot do by themselves such as building a tower or a bridge and justify the selection of those materials based on their physical properties

(D) explore and recognize that a mixture is created when two materials are combined such as gravel and sand and metal and plastic paper clips

(D) identify changes that can occur in the physical properties of the ingredients of solutions such as dissolving salt in water or adding lemon juice to water