

## Alvarado Grade 5 Storyline Performance Expectations

### 2017 TEKS

5.5 - Matter and Energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed and used.

5.5(A) classify matter based on measurable, testable, and observable physical properties, including mass, magnetism, physical state (solid, liquid, and gas), relative density (sinking and floating using water as a reference point), solubility in water, and the ability to conduct or insulate thermal or electrical energy.

5.5(B) demonstrate that some mixtures maintain physical properties of their ingredients such as iron filings and sand and sand and water.

5.5(C) 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

### 2021 TEKS

	2021 TEKS Performance Expectations	Michelle's NGSS CrossWalk of TEKS to NGSS	The Wonder of Science Assessment	The Wonder of Science Instructional Resources
5.5	(6) Matter and energy. The student knows that matter has measurable physical properties that determine how matter is identified, classified, changed, and used. The student is expected to: (Explain)(Matter)			
5.5(A)	(6A) compare and contrast matter based on measurable, testable, or observable physical properties, including mass, magnetism, relative density (sinking and floating using water as a reference point), physical state (solid, liquid, gas), volume, solubility in water, and the ability to conduct or insulate thermal energy and electric energy; (Analyze)(Quantity)	*5-PS1-3 Make observations and measurements to identify materials based on their properties. (Scale, Proportion, and Quantity)	<a href="#">Reverse Engineer a Flashlight KEY - Reverse Engineer a Flashlight</a>	<a href="#">Resources</a>
5.5(B)	(6B) demonstrate and explain that some mixtures maintain physical properties of their substances such as iron filings and sand or sand and water; (Explain)(Patterns)			
5.5(C)	(6C) compare the properties of substances before and after they are combined into a solution and demonstrate that matter is conserved in solutions; and (Analyze)(Cause)	5-PS1-2 Make observations and measurements to identify materials based on their properties. (Scale, Proportion, and Quantity) 5-PS1-4 Conduct an investigation to determine whether the mixing of two or more substances results in new substances. (Cause and Effect)	5-PS1-2 <a href="#">Diet &amp; Regular Coke KEY - Diet and Regular Coke</a>  5-PS1-4 <a href="#">Self Inflating Balloons KEY - Self-Inflating Balloons</a>	5-PS1-2 <a href="#">Resources</a>  5-PS1-4 <a href="#">Resources</a>

**New	(6D) illustrate how matter is made up of particles that are too small to be seen such as air in a balloon. (SEP)(CCC)	<a href="#">5-PS1-1</a> Develop a model to describe that matter is made of particles too small to be seen. (Scale, Proportion, and Quantity)	<a href="#">Onion Proof Goggles</a> <a href="#">KEY - Onion Proof Goggles</a>	<a href="#">Resources</a>
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\* Content similar, The Wonder of Science crosswalk  
\*\* Not included in Storyline Planner for May 31, 2023