



Matter, Mixtures & More Virtual Education Program

Grade Levels	North Carolina Essential Standards
K, 1, 2, 3, 4, 5	<p>Grade K - K.P.2 (K.P.2.1)</p> <p>Grade 2 - 2.P.2 (2.P.2.1)</p> <p>Grade 3 - 3.P.2 (3.P.2.2; 3.P.2.3)</p> <p>Grade 4 - 4.P.2 (4.P.2.1)</p> <p>Grade 5 - 5.P.2; 5.P.3 (5.P.2.3; 5.P.3.1; 5.P.3.2)</p>
<p>From potions in motion to melting and freezing, we will sharpen our observation skills and spark curiosity by bringing solids, liquids, and gasses to life! Join a Kaleideum Educator via ZOOM to investigate properties and states of matter through experiments that illustrate chemical and physical changes. Each grade-level program is unique and specifically designed to extend and enrich students' knowledge of grade-level NC Essential Standards.</p>	
<p style="text-align: center;">Program Descriptions</p> <p>Kindergarten - Students' observational skills are put to the test as they generate hypotheses about a mystery liquid that causes different objects to dance! Students learn about lab safety and the scientific method while using their senses to observe and sort objects based on their physical properties (K.P.2.1) and reactions.</p> <p>2nd Grade - We'll explore physical and chemical changes in matter and test the impact of heating and cooling in this program loaded with experiments (2.P.2.1)! Students' observational skills are put to the test while testing predictions and experiencing reactions and changes in states of matter.</p> <p>3rd Grade - From solids to liquids to gasses (3.P.2.2), students sharpen their observational skills and practice lab safety while exploring physical and chemical changes to matter. Young scientists dive into the structure and properties of matter before and after undergoing changes and investigate the impact of heating and cooling on our experiments (3.P.2.3).</p> <p>4th Grade - Young scientists investigate the composition and properties of matter during experiments that toy with physical changes and chemical reactions (4.P.2.1). Participants hone their observation skills and practice lab safety while putting elements to the test!</p> <p>5th Grade - Investigate interactions of matter and energy and hone your observation skills during experiments that toy with physical changes and chemical reactions. Through sharpening data collection and observational skills (5.P.2.3), we'll explore conduction, convection, radiation and the role heating and cooling play in experiments designed to ignite curiosity and delight (5.P.3.1; 5.P.3.2).</p>	

