

Make Materials Stronger		Grade 3: Strong and Stable Structures	
Curriculum Connections	Topic	Structures and Mechanisms	
	Fundamental Concepts	Structures and Function	
<p>Description Humans have a knack for taking simple materials and making them stronger, more durable, or more resilient, just by making simple changes to their shape. Find out how you can make changes to strengthen materials that you can find at home!</p>			
<p>Big Ideas Structures need to be strong and stable to be useful</p>		<p>Overall Expectations 2. investigate strong and stable structures to determine how their design and materials enable them to perform their load-bearing function 3. demonstrate an understanding of the concepts of structure, strength, and stability and the factors that affect them</p>	
<p>Specific Expectations 2.2 investigate through experimentation how various materials and construction techniques can be used to add strength to structures 3.5 identify properties of materials that need to be considered when building structures 3.6 describe ways in which the strength of different materials can be altered</p>			