

Pushing the Envelope			
2006 Science			
Content Standards			
Idaho Science			
Grade 5			
Activity/Lesson	State	Standards	
Chemistry (pgs. 25-41)	ID	SCI.5.5.S.2.1.1	Understand the structure and function of matter and molecules and their interactions. Describe the differences among elements, compounds, and mixtures.
Chemistry (pgs. 25-41)	ID	SCI.5.5.S.2.1.2	Understand the structure and function of matter and molecules and their interactions. Compare the physical differences among solids, liquids, and gases.
Chemistry (pgs. 25-41)	ID	SCI.5.5.S.2.1.3	Understand the structure and function of matter and molecules and their interactions. Explain the nature of physical change and how it relates to physical properties.
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2006 Science			
Content Standards			
Idaho Science			
Grade 6			
Activity/Lesson	State	Standards	
Chemistry (pgs. 25-41)	ID	SCI.6.6.S.2.1.1	Understand the structure and function of matter and molecules and their interactions. Compare and contrast the differences among elements, compounds, and mixtures.
Chemistry (pgs. 25-41)	ID	SCI.6.6.S.2.1.2	Understand the structure and function of matter and molecules and their interactions. Define the properties of matter.
Chemistry (pgs. 25-41)	ID	SCI.6.6.S.2.1.3	Understand the structure and function of matter and molecules and their interactions. Compare densities of equal volumes of a solid, a liquid, or a gas.
Chemistry (pgs. 25-41)	ID	SCI.6.6.S.2.1.5	Understand the structure and function of matter and molecules and their interactions. Explain the nature of physical change and how it relates to physical properties (the distance between molecules as water changes from ice to liquid water and to water vapor).
Physics and Math (pgs. 43-63)	ID	SCI.6.6.S.2.2.1	Understand concepts of motion and forces. Describe the effects of different forces (gravity and friction) on the movement, speed, and direction of an object.
Rocket Activity (pgs. 69-75)	ID	SCI.6.6.S.2.2.1	Understand concepts of motion and forces. Describe the effects of different forces (gravity and friction) on the movement, speed, and direction of an object.
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2006 Science			

Content Standards

Idaho Science			
Grades 8-9 (8th & 9th Grade Physical Science)			
Activity/Lesson	State	Standards	
Chemistry (pgs. 25-41)	ID	SCI.8-9.8-9.PS.2.5.1	Understand chemical reactions. Explain how chemical reactions may release or consume energy while the quantity of matter remains constant.
Physics and Math (pgs. 43-63)	ID	SCI.8-9.8-9.PS.2.2.1	Understand concepts of motion and forces. Explain motion using Newton's Laws of Motion.
Rocket Activity (pgs. 69-75)	ID	SCI.8-9.8-9.PS.2.2.1	Understand concepts of motion and forces. Explain motion using Newton's Laws of Motion.