

Pushing the Envelope			
2000 Science			
Model Academic Standards			
Wisconsin Science			
Grades 5-8			
Activity/Lesson	State	Standards	
Chemistry (pgs. 25-41)	WI	SCI.5-8.D.8.1	Observe, describe, and measure physical and chemical properties of elements and other substances to identify and group them according to properties such as density, melting points, boiling points, conductivity, magnetic attraction, solubility, and reactions to common physical and chemical tests.
Physics and Math (pgs. 43-63)	WI	SCI.5-8.D.8.5	While conducting investigations, explain the motion of objects by describing the forces acting on them.
Rocket Activity (pgs. 69-75)	WI	SCI.5-8.D.8.5	While conducting investigations, explain the motion of objects by describing the forces acting on them.
Pushing the Envelope			
2000 Science			
Model Academic Standards			
Wisconsin Science			
Grades 9-12			
Activity/Lesson	State	Standards	
Chemistry (pgs. 25-41)	WI	SCI.9-12.D.12.10	Using the science themes, illustrate the law of conservation of energy during chemical and nuclear reactions.
Chemistry (pgs. 25-41)	WI	SCI.9-12.F.12.8	Using the science themes, infer changes in ecosystems prompted by the introduction of new species, environmental conditions, chemicals, and air, water, or earth pollution.
Physics and Math (pgs. 43-63)	WI	SCI.9-12.D.12.7	Qualitatively and quantitatively analyze changes in the motion of objects and the forces that act on them and represent analytical data both algebraically and graphically.