

**AAAS Benchmarks  
High School Grades**

	Looking Inside Planets	Terra Bagga	The Moons of Jupiter	Phases of Charon	The Jovian Basketball Hoop	Are All Asteroids' Surfaces the Same Age?
<b>The Nature of Science</b>						
<i>1B: Scientific Inquiry</i>						X
<b>The Nature of Technology</b>						
<i>3A: Technology and Science</i>		X			X	
<i>3B: Design and Systems</i>					X	
<b>The Physical Setting</b>						
<i>4A: The Universe</i>				X		X
<i>4B: The Earth</i>	X	X				
<i>4D: Structure and Matter</i>			X			
<i>4E: Energy Transformation</i>					X	
<i>4G: Forces of Nature</i>		X				

**NCTM Math Standards  
High School Grades**

	<b>Numbers and Operations</b>	<b>Geometry</b>	<b>Measurement</b>	<b>Data Analysis and Probability</b>
<b>Looking Inside Planets</b>	X		X	
<b>Terra Bagga</b>				
<b>The Moons of Jupiter</b>				X
<b>Phases of Charon</b>		X		
<b>The Jovian Basketball Hoop</b>				
<b>Are All Asteroids' Surfaces the Same Age?</b>			X	

**National Science Education Standards  
High School Grades**

	Looking Inside Planets	Terra Bagga	The Moons of Jupiter	Phases of Charon	The Jovian Basketball Hoop	Are All Asteroids' Surfaces the Same Age?
<b>Content Standard A: Science as Inquiry</b>						
<i>Abilities Necessary to do Scientific Inquiry</i>			X		X	X
<i>Understanding About Scientific Inquiry</i>						X
<b>Content Standard B: Physical Science</b>						
<i>Properties and Changes of Properties in Matter</i>	X					
<i>Motions and Forces</i>		X				
<i>Structure and Properties of Matter</i>		X	X			
<i>Interactions of Energy and Matter</i>					X	
<b>Content Standard D: Earth + Space Science</b>						
<i>Origin and Evolution of the Earth System</i>						X
<i>Structure of the Earth System</i>	X					
<i>Energy in the Earth System</i>		X				
<i>Earth in the Solar System</i>				X		
<b>Content Standard E: Science + Technology</b>						
<i>Understandings about Science and Technology</i>		X				
<i>Abilities of Technological Design</i>					X	