

AAAS Science Benchmarks
Grades 3-5

	Pre/Post Assessment	Making a Sundial	Measuring the Earth's Tilt	How Angle Spreads Sunlight	Making a Homemade	Sunspot Flip Book Journal	Sunspot Numbers	Interplanetary Pool Games
The Nature of Science								
<i>1A: The Scientific World View</i>		X	X	X				
<i>1B: Scientific Inquiry</i>		X	X	X	X	X	X	X
The Nature of Mathematics								
<i>2A: Patterns and Relationships</i>		X	X				X	X
<i>2C: Mathematical Inquiry</i>		X	X				X	X
The Nature of Technology								
<i>3A: Technology and Science</i>		X	X	X	X	X	X	X
<i>3C: Issues in Technology</i>		X						
The Physical Setting								
<i>4A: The Universe</i>		X	X	X	X			
<i>4B: The Earth</i>		X	X	X				
<i>4D: Structure of Matter</i>								X
<i>4E: Energy Transformations</i>				X				X
<i>4F: Motion</i>		X	X	X				

NRC National Science Education Standards
Grades K-4

	Pre/Post Assessment	Making a Sundial	Measuring the Earth's Tilt	How Angle Spreads Sunlight	Making a Homemade Sunspot Viewer	Sunspot Flip Book Journal	Sunspot Numbers	Interplanetary Pool Games
Content Standard A: Science as Inquiry								
<i>Abilities to do Scientific Inquiry</i>		X	X	X	X	X	X	X
<i>Understanding about Scientific Inquiry</i>		X	X	X				
Content Standard B: Physical Science								
<i>Properties of Objects and Materials</i>					X	X		X
<i>Position and Motion of Objects</i>		X	X	X	X			X
<i>Light, Heat, Electricity, and Magnetism</i>			X	X				
Content Standard D: Earth and Space Science								
<i>Objects in the Sky</i>		X	X	X	X			X
<i>Changes in the Earth and Sky</i>		X	X	X	X	X		X
Content Standard E: Science and Technology								
<i>Understandings about Science and Technology</i>		X	X	X	X	X	X	X
Content Standard G: History and Nature of Science								
<i>Science as a human endeavor</i>					X	X	X	

**NCTM Principles and Standards for School Mathematics
Grades 3-5**

	Pre/Post Assessment	Making a Sundial	Measuring the Earth's Tilt	How Angle Spreads Sunlight	Making a Homemade Sunspot Viewer	Sunspot Flip Book Journal	Sunspot Numbers	Interplanetary Pool Games
Algebra		X	X				X	X
Geometry		X	X					
Measurement		X	X	X	X			
Problem Solving					X			
Data Analysis and Probability		X	X				X	X
Reasoning and Proof					X		X	
Connections		X	X					