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<th>The Nature of Science</th>
<th>Pre/Post Assessment</th>
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## NRC National Science Education Standards
### Grades K-4

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</thead>
</table>

### Content Standard A: Science as Inquiry

- **Abilities to do Scientific Inquiry**
  - Pre/Post Assessment: X
  - Making a Sundial: X
  - Measuring the Earth’s Tilt: X
  - How Angle Spreads Sunlight: X
  - Making a Homemade Sunspot Viewer: X
  - Sunspot Flip Book Journal: X
  - Sunspot Numbers: X
  - Interplanetary Pool Games: X

### Content Standard B: Physical Science

- **Properties of Objects and Materials**
  - Pre/Post Assessment: X
  - Making a Sundial: X
  - Measuring the Earth’s Tilt: X
  - How Angle Spreads Sunlight: X
  - Making a Homemade Sunspot Viewer: X
  - Sunspot Flip Book Journal: X
  - Sunspot Numbers: X
  - Interplanetary Pool Games: X

- **Position and Motion of Objects**
  - Pre/Post Assessment: X
  - Making a Sundial: X
  - Measuring the Earth’s Tilt: X
  - How Angle Spreads Sunlight: X
  - Making a Homemade Sunspot Viewer: X
  - Sunspot Flip Book Journal: X
  - Sunspot Numbers: X
  - Interplanetary Pool Games: X

- **Light, Heat, Electricity, and Magnetism**
  - Pre/Post Assessment: X
  - Making a Sundial: X
  - Measuring the Earth’s Tilt: X
  - How Angle Spreads Sunlight: X
  - Making a Homemade Sunspot Viewer: X
  - Sunspot Flip Book Journal: X
  - Sunspot Numbers: X
  - Interplanetary Pool Games: X

### Content Standard D: Earth and Space Science

- **Objects in the Sky**
  - Pre/Post Assessment: X
  - Making a Sundial: X
  - Measuring the Earth’s Tilt: X
  - How Angle Spreads Sunlight: X
  - Making a Homemade Sunspot Viewer: X
  - Sunspot Flip Book Journal: X
  - Sunspot Numbers: X
  - Interplanetary Pool Games: X

- **Changes in the Earth and Sky**
  - Pre/Post Assessment: X
  - Making a Sundial: X
  - Measuring the Earth’s Tilt: X
  - How Angle Spreads Sunlight: X
  - Making a Homemade Sunspot Viewer: X
  - Sunspot Flip Book Journal: X
  - Sunspot Numbers: X
  - Interplanetary Pool Games: X

### Content Standard E: Science and Technology

- **Understandings about Science and Technology**
  - Pre/Post Assessment: X
  - Making a Sundial: X
  - Measuring the Earth’s Tilt: X
  - How Angle Spreads Sunlight: X
  - Making a Homemade Sunspot Viewer: X
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  - Sunspot Numbers: X
  - Interplanetary Pool Games: X

### Content Standard G: History and Nature of Science

- **Science as a human endeavor**
  - Pre/Post Assessment: X
  - Making a Sundial: X
  - Measuring the Earth’s Tilt: X
  - How Angle Spreads Sunlight: X
  - Making a Homemade Sunspot Viewer: X
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### NCTM Principles and Standards for School Mathematics
#### Grades 3-5

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