# Seattle Public Schools Science Standards

## Wood

(FOSS)  
Kindergarten

### EARL #1 The student understands and uses scientific concepts and principles.

<table>
<thead>
<tr>
<th>Component</th>
<th>Benchmarks</th>
<th>Lesson #s</th>
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</thead>
</table>
| 1.1 – Use the properties to identify, describe, and categorize substances, materials, and objects. | **Properties of substances**  
• observe and describe properties of materials  
• use properties to sort and classify materials | 1.1 – 1.5 |
| 1.2 – Recognize the components, structure, and organization of systems and the interconnections within and among them. | **System**  
• identify how parts are put together to make a whole  
**Structure of matter**  
• know that objects and materials can be made of small parts  
**Physical and chemical change**  
• understand that objects and materials can undergo changes (e.g., sanding, laminating, staining) | 2.3, 2.4, 2.7 |

### EARL #2 The student understands the skills and processes of science and technology.

<table>
<thead>
<tr>
<th>Science Skills/Processes</th>
<th>Questioning</th>
<th>All lessons</th>
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</table>
| 2.1 – Develop the abilities necessary to do scientific inquiry. | **Questioning**  
• ask questions about objects, organisms, and events in the environment  
**Designing and conducting investigations**  
• plan and conduct simple investigations, using appropriate tools, measures, and safety rules  
**Evidence and explanation**  
• use data (observations) to construct explanations  
**Communication**  
• record and report observations through oral language, numbers, pictures, and words | 1.3, 1.4, 1.5, 2.2 |

### EARL #3 The student understands the nature and contexts of science and technology.

<table>
<thead>
<tr>
<th>Scientific Thinking</th>
<th>Dealing with inconsistencies</th>
<th>All lessons</th>
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</table>
| 3.1 – Understand the nature of scientific inquiry | **Dealing with inconsistencies**  
• begin to observe and discuss why similar investigations may not produce similar results | 1.3, 1.5 |
| 3.2 – Know that science and technology are human endeavors, interrelated to each other, to society and to the workplace. | **All peoples contribute to science and technology**  
• begin to understand how science and technology are or have been practiced by people  
**Relationship of science and technology**  
• recognize that people have invented tools for | 2.1, 2.3 – 2.6 |
<table>
<thead>
<tr>
<th>Careers and occupations using science, mathematics, and technology</th>
<th>2.1 – 2.7</th>
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</thead>
<tbody>
<tr>
<td>everyday life and for scientific investigations</td>
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<tr>
<td>• begin to identify how science, mathematics, and technology are used in the workplace</td>
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