## Grade 2

### Activity: Aqua Notes

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Science and Technology in Society  
How do science and technology affect the quality of our lives?

<table>
<thead>
<tr>
<th>Content Standards (focus of standard)</th>
<th>Activity Objectives (from Project WET activity)</th>
<th>CMT Correlation/Expected Performances</th>
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</table>
| 2.4 Human beings, like all other living things, have special nutritional needs for survival.  
> The essential components of balanced nutrition can be obtained from plant and animal sources.  
> People eat different foods in order to satisfy nutritional needs for carbohydrates, proteins and fats. | 1. Note the different ways the body uses water.  
2. Determine that they need water. | A24. Describe how people in different cultures use different food sources to meet their nutritional needs. |

### Activity: Cold Cash in the Icebox

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Properties of Matter  
How does the structure of matter affect the properties and uses of materials?

| 2.1 Materials can be classified as solid, liquid or gas based on their observable properties.  
> Solids tend to maintain their own shapes, while liquids tend to assume the shapes of their containers, and gases fill their containers fully. | 1. Compare the insulating properties of various materials | A18. Describe the effect of heating on the melting, evaporation, condensation and freezing of water. |
Activity: **Molecules in Motion**  
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Properties of Matter  
How does the structure of matter affect the properties and uses of materials?

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| **2.1 Materials can be classified as solid, liquid or gas based on their observable properties.**  
> Solids tend to maintain their own shapes, while liquids tend to assume the shapes of their containers, and gases fill their containers fully. | 1. Model the effects of heat energy on the state of water. | **A18.** Describe differences in the physical properties of solids and liquids. |

Activity: **Stream Sense**  
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The Changing Earth  
How do materials cycle through the Earth’s systems?

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| **2.3 Earth materials have varied physical properties which make them useful in different ways.**  
> Soils can be described by their color, texture and capacity to retain water.  
> Soils support the growth of many kinds of | 1. Recognize how senses provide details about stream ecosystems. | **A21.** Sort different soils by properties, such as particle size, color and composition. |
Activity: **The Life Box**  
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Science and Technology in Society  
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| 2.4 Human beings, like all other living things, have special nutritional needs for survival. > The essential components of balanced nutritional needs for survival. > People eat different foods in order to satisfy nutritional needs for carbohydrates, proteins and fats. | 1. Identify four essential factors necessary for life.  
2. Explain how living things use these four factors | A23. Identify the sources of common foods and classify them by their basic food group.  
A24. Describe how people in different cultures use different food sources to meet their nutritional needs. |

Activity: **The Long Haul**  
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Properties of Matter  
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### Activity: Water Address
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#### The Changing Earth
How do materials cycle through the Earth’s systems?

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<td>2.3 Earth materials have varied physical properties which make them useful in different ways. &gt;Soils can be described by their color, texture and capacity to retain water. &gt;Soils support the growth of many kinds of plants, including those in our food supply.</td>
<td>1. Recognize water-related adaptations of some plants and animals.</td>
<td>A22. Relate the properties of different soils to their capacity to retain water and support the growth of certain plants.</td>
</tr>
</tbody>
</table>

### Activity: Water Address
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#### Structure and Function
How are organisms structured to ensure efficiently and survival?

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### Activity: Water Match

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**Properties of Matter**

How does the structure of matter affect the properties and uses of materials?

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<td>2.1 Materials can be classified as solid, liquid or gas based on their observable properties. &gt;Solids tend to maintain their own shapes, while liquids tend to assume the shapes of their containers, and gases fill their containers completely.</td>
<td>1. Identify the three stages of water; solid, liquid, and gas 2. Recognize that water can become polluted and that some water can be cleaned.</td>
<td>A 18. Describe differences in the physical properties of solids and liquids.</td>
</tr>
</tbody>
</table>

Revised 1/23/09