

## 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?

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

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?

<p><b>2.1 Materials can be classified as solid, liquid or gas based on their observable properties.</b></p> <p>&gt;Solids tend to maintain their own shapes, while liquids tend to assume the shapes of their containers, and gases fill their containers fully.</p>	<p>1. Compare the insulating properties of various materials</p>	<p>A18. Describe the effect of heating on the melting, evaporation, condensation and freezing of water.</p>
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Activity: **Molecules in Motion**

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Properties of Matter

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

Content Standards (focus of standard)	Activity Objectives (from Project WET activity)	CMT Correlation/Expected Performances
<p><b>2.1 Materials can be classified as solid, liquid or gas based on their observable properties.</b>                      &gt;Solids tend to maintain their own shapes, while liquids tend to assume the shapes of their containers, and gases fill their containers fully.</p>	<p>1. Model the effects of heat energy on the state of water.</p>	<p>A18. Describe differences in the physical properties of solids and liquids.</p>

Activity: **Stream Sense**

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The Changing Earth

How do materials cycle through the Earth's systems?

Content Standards (focus of standard)	Activity Objectives (from Project WET activity)	CMT Correlation/Expected Performances
<p><b>2.3 Earth materials have varied physical properties which make them useful in different ways.</b>                      &gt;Soils can be described by their color, texture and capacity to retain water.                      &gt;Soils support the growth of many kinds of</p>	<p>1. Recognize how senses provide details about stream ecosystems.</p>	<p>A21. Sort different soils by properties, such as particle size, color and composition.</p>

plants, including those in our food supply.		
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Activity: **The Life Box**

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Science and Technology in Society

How do science and technology affect the quality of our lives?

<b>Content Standards</b>	<b>Activity Objectives</b>	<b>CMT Correlation/Expected Performances</b>
<p><b>2.4 Human beings, like all other living things, have special nutritional needs for survival.</b></p> <p>&gt; The essential components of balanced nutritional needs for survival.</p> <p>&gt; People eat different foods in order to satisfy nutritional needs for carbohydrates, proteins and fats.</p>	<p>1. Identify four essential factors necessary for life.</p> <p>2. Explain how living things use these four factors</p>	<p>A23. Identify the sources of common foods and classify them by their basic food group.</p> <p>A24. Describe how people in different cultures use different food sources to meet their nutritional needs.</p>

Activity: **The Long Haul**

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Properties of Matter

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

<b>Content Standards</b>	<b>Activity Objectives</b>	<b>CMT Correlation/Expected Performances</b>
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<p><b>2.1 Materials can be classified as a solid, liquid or gas based on their observable properties.</b>                  &gt;Solids tend to maintain their own shapes, while liquids tend to assume the shapes of their containers, and gases fill their containers fully.</p>	<ol style="list-style-type: none"> <li>1. Develop an awareness of various volumes of water.</li> <li>2. Appreciate today’s readily available water supplies.</li> <li>3. Relate how easy access to water can encourage people to use large amounts of water.</li> </ol>	<p>A18. Describe differences in the physical properties of solids and liquids.</p>
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Activity: **Water Address**  
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The Changing Earth  
 How do materials cycle through the Earth’s systems?

<b>Content Standards</b> (focus of standard)	<b>Activity Objectives</b> (from Project WET activity)	<b>CMT Correlation/Expected Performances</b>
<p><b>2.3 Earth materials have varied physical properties which make them useful in different ways.</b>                      &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.</p>	<ol style="list-style-type: none"> <li>1. Recognize water-related adaptations of some plants and animals.</li> </ol>	<p>A22. Relate the properties of different soils to their capacity to retain water and support the growth of certain plants.</p>

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

<b>Content Standards</b> (focus of standard)	<b>Activity Objectives</b> (from Project WET activity)	<b>CMT Correlation/Expected Performances</b>

<p><b>2.2 Plants change their forms as part of their life cycles.</b>                  &gt;The life cycles of flowering plants, include seed germination, growth, flowering, pollination and seed dispersal.</p>	<p>1. Recognize water-related adaptations of some plants and animals.</p>	<p>A20. Explore and describe the effects of light and water on seed germination and plant growth.</p>
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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?

<b>Content Standard</b>	<b>Activity Objectives</b>	<b>CMT Correlation/Expected Performances</b>
<p><b>2.1 Materials can be classified as solid, liquid or gas based on their observable properties.</b>                  &gt;Solids tend to maintain their own shapes, while liquids tend to assume the shapes of their containers, and gases fill their containers completely.</p>	<p>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.</p>	<p>A 18. Describe differences in the physical properties of solids and liquids.</p>

Revised 1/23/09

