

Grade 5

Activity: **The Rainstick**

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Energy Transfer and Transformation
 What is the role of energy in our world?

Content Standards (focus of standard)	Activity Objectives (from Project WET activity)	CMT Correlation/Expected Performances
<p>5.1 Sound and light are forms of energy. >Sound is a form of energy that is produced by the vibration of objects and is transmitted by the vibration of air and objects. >Light is a form of energy that travels in a straight line and can be reflected by a mirror, refracted by a lens, or absorbed by objects.</p>	<ol style="list-style-type: none"> 1. Relate the sound produced by an instrument to the type and quantity of materials used in its construction. 2. Recognize how other cultures create rainsticks from materials found within their own environments. 3. Imitate the sound of rain with various materials. 	<p>B18. Describe how sound is transmitted, reflected and/or absorbed by different materials.</p>

Activity: **Stream Sense**

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Energy Transfer and Transformation

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<p>5.1 Sound and light are forms of energy >Sound is a form of energy that is produced by the vibration of objects and is transmitted by the vibration of air and objects. >Light is a form of energy that travels in a straight line and can be reflected by a mirror, refracted by a lens, or absorbed by objects.</p>	<p>1. Recognize how senses provide details about stream ecosystems.</p>	<p>B17. Describe the factors that affect the pitch and loudness of sound produced by vibrating objects. B18. Describe how sound is transmitted, reflected and/or absorbed by different materials. B19. Describe how light is absorbed and/or reflected by different surfaces.</p>

Activity: **Stream Sense**

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Structure and Function

How are organisms structured to ensure efficiency and survival?

Content Standards (focus of standard)	Activity Objectives (from Project WET activity)	CMT Correlation/Expected Performances
<p>5.2 Perceiving and responding to information about the environment are critical to the survival of organisms. >The sense organs perceive stimuli from the environment and send signals to the brain through the nervous system.</p>	<p>1. Recognize how senses provide details about stream ecosystems.</p>	<p>B20. Describe how light absorption and reflection allow one to see the shapes and colors of objects. B21. Describe the structure and function of the human senses and the signals they perceive.</p>

Activity: **The Thunder Storm**

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<p>5.1 Sound and light are forms of energy. >Sound is a form of energy that is produced by the vibration of objects and is transmitted by the vibration of air and objects. >Light is a form of energy that travels in a straight line and can be reflected by a mirror, refracted by a lens, or absorbed by objects.</p>	<ol style="list-style-type: none"> 1. Work cooperatively to mimic the sounds of a thunderstorm. 2. Become more aware of the various sounds of a thunderstorm. 3. Monitor and record “precipitation” 	<p>B17. Describe the factors that affect the pitch and loudness of sound produced by vibrating objects. B18. Describe how sound is transmitted, reflected and/or absorbed by different materials.</p>

Activity: **Water In Motion**

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Energy Transfer and Transformation
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<p>5.1 Sound and light are forms of energy. >Sound is a form of energy that is produced by the vibration of objects and is transmitted by the vibration of air and objects. >Light is a form of energy that travels in a straight line and can be reflected by a mirror, refracted by a lens, or absorbed by objects.</p>	<ol style="list-style-type: none"> 1. Recognize reasons why people find the sound and movement of water pleasing. 2. Demonstrate how wind, pressure and gravity move water. 3. Design artwork that incorporates the movement and sounds of water. 	<p>B17. Describe the factors that affect the pitch and loudness of sound produced by vibrating objects. B18. Describe how sound is transmitted, reflected and/or absorbed by different materials.</p>