

## Become a Junior Forest Steward

Lesson/Activity Title	Pennsylvania Standard (4 <sup>th</sup> Grade)
What is a forest steward?	<p><b>4.2.4.A</b> Identify needs of people.</p> <ul style="list-style-type: none"> <li>• Identify plants, animals, water, air, minerals and fossil fuels as natural resources.</li> <li>• Explain air water and nutrient cycles.</li> <li>• Identify how the environment provides for the needs of people.</li> </ul>
Total Makeover	<p>4.2.4.A Identify needs of people.</p> <ul style="list-style-type: none"> <li>• Identify plants, animals, water, air, minerals and fossil fuels as natural resources.</li> <li>• Explain air water and nutrient cycles.</li> <li>• Identify how the environment provides for the needs of people.</li> </ul>
Wildlife Signs	<p><b>4.2.4.A</b> Identify needs of people.</p> <ul style="list-style-type: none"> <li>• Identify plants, animals, water, air, minerals and fossil fuels as natural resources.</li> <li>• Explain air water and nutrient cycles.</li> <li>• Identify how the environment provides for the needs of people.</li> </ul>
What Kinds of Forests Do Forest Stewards own?	<p><b>4.2.4.A</b> Identify needs of people.</p> <ul style="list-style-type: none"> <li>• Identify plants, animals, water, air, minerals and fossil fuels as natural resources.</li> <li>• Explain air water and nutrient cycles.</li> <li>• Identify how the environment provides for the needs of people.</li> </ul> <p><b>4.2.4.C</b> Know that some natural resources have limited Life spans.</p>

	<ul style="list-style-type: none"> <li>• Identify renewable and non renewable resources used in the local community</li> <li>• Identify various means of conserving natural resources.</li> <li>• Know that natural resources have varying life spans.</li> </ul>
Do Forest Stewards Like Wildlife?	<p><b>4.2.4.A</b> Identify needs of people.</p> <ul style="list-style-type: none"> <li>• Identify plants, animals, water, air, minerals and fossil fuels as natural resources.</li> <li>• Explain air water and nutrient cycles.</li> <li>• Identify how the environment provides for the needs of people.</li> </ul> <p><b>4.2.4.C</b> Know that some natural resources have limited Life spans.</p> <ul style="list-style-type: none"> <li>• Identify renewable and non renewable resources used in the local community</li> <li>• Identify various means of conserving natural resources.</li> <li>• Know that natural resources have varying life spans.</li> </ul>
What's Fun about the Woods?	<p><b>4.2.4.A</b> Identify needs of people.</p> <ul style="list-style-type: none"> <li>• Identify plants, animals, water, air, minerals and fossil fuels as natural resources.</li> <li>• Explain air water and nutrient cycles.</li> <li>• Identify how the environment provides for the needs of people.</li> </ul> <p><b>4.2.4.C</b> Know that some natural resources have limited Life spans.</p> <ul style="list-style-type: none"> <li>• Identify renewable and non renewable resources used in the local community</li> <li>• Identify various means of conserving natural resources.</li> <li>• Know that natural resources have varying life spans.</li> </ul>

	<p><b>4.2.4.D</b> Identify by-products and their use of natural resources.</p> <ul style="list-style-type: none"> <li>• Understand the waste stream.</li> <li>• Identify those items that can be recycled and those that can not.</li> <li>• Identify use of reusable products</li> <li>• Identify the use of compost, land fills and incinerators</li> </ul>
<p>Why Do Forest Steward own Their Woods?</p>	<p><b>4.2.4.A</b> Identify needs of people.</p> <ul style="list-style-type: none"> <li>• Identify plants, animals, water, air, minerals and fossil fuels as natural resources.</li> <li>• Explain air water and nutrient cycles.</li> <li>• Identify how the environment provides for the needs of people.</li> </ul> <p><b>4.2.4.B</b> Identify products derived from natural resources.</p> <ul style="list-style-type: none"> <li>• Identify products made from trees</li> <li>• Identify by-products of plants and animals.</li> <li>• Identify the sources of manmade products (e.g., plastics, metal, aluminum, fabrics, paper, cardboard).</li> </ul>
<p>Closer looks</p>	<p><b>4.2.4.C</b> Know that some natural resources have limited Life spans.</p> <ul style="list-style-type: none"> <li>• Identify renewable and non renewable resources used in the local community</li> <li>• Identify various means of conserving natural resources.</li> <li>• Know that natural resources have varying life spans.</li> </ul>
<p>What are Forest Products?</p>	<p><b>4.2.4.A</b> Identify needs of people.</p> <ul style="list-style-type: none"> <li>• Identify plants, animals, water, air, minerals and fossil fuels as natural resources.</li> </ul>

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<p>Don't Forest Stewards Want to Protect Their Forests and "save" the trees?</p>	<p><b>4.2.4.C</b> Know that some natural resources have limited Life spans.</p> <ul style="list-style-type: none"> <li>• Identify renewable and non renewable resources used in the local community</li> <li>• Identify various means of conserving natural resources.</li> <li>• Know that natural resources have varying life spans.</li> </ul>
<p>What Are Special Places in the Forests?</p>	<p><b>4.1.4.A</b> Identify various types of water environments</p> <ul style="list-style-type: none"> <li>• Identify the lotic system (e.g., creeks, rivers, streams).</li> <li>• Identify the lentic system (e.g., ponds, lakes, swamps).</li> </ul> <p><b>4.1.4.B</b> Explain the differences between moving and still water.</p> <ul style="list-style-type: none"> <li>• Explain why water moves or does not</li> </ul>

move.

- Identify types of precipitation.

**4.1.4.D**

Identify a wetland and the plants and animals found there.

- Identify different kinds of wetlands.
- Identify plants and animals found in wetlands.
- Explain wetlands s habitats for plants and animals.

Recognize the impact of watersheds and wetlands on plants and animals.