York County ENVIROTHON

2027 Forestry Study Resources 3rd & 4th Grades – "Forest Species"

Testing Resources:

1. Tree Identification Basics
2. Leaf Characteristics Packet
3. Trees + Me = Forestry 4H Workbook – Chapters 1 & 4
4. Future Forest Steward
5. Renewable and Nonrenewable Resources
6. Nature's Best Hope: Young Reader's Edition – Chapter 9 (with addition from York County Parks)
7. Maple Syrup
8. Incredible Wood
9. Sample Leaves and Key Practice
10. Sample Forest Species Fact Pack *(Information found only here will not be main test questions, but could appear as tiebreakers)*

Forest Study Species (Same species covered in Resources #9 & #10)

**Please note: Students will be tested on keying out 2 of these species using live branches and a key. They will also be tested on tree identification vocabulary using live branches from 2 study species and two new/unknown species.*

Deciduous Simple Leaves:
1. White Oak
2. Sassafras
3. Red Maple
4. Tuliptree

Deciduous Compound Leaves
5. Hickory Species
6. White Ash
7. Tree-of-heaven
8. Virginia Creeper

Evergreen Leaves:
9. Eastern Hemlock
10. Eastern White Pine

Focus:

1. Understand the leaf & tree characteristics needed to identify a tree using a key. Be able to use a simple key to identify a tree with leaves. (Resources 1, 2, & 9)
2. Be familiar with basic forestry concepts, such as the layers of a forest, forest resources & products, and forest succession. (Resource 3)
3. Be able to sort objects as made from renewable or non-renewable resources. (Resources 3 & 5)
4. Understand how trees connect to other living parts of the forest, the role of a forest steward and forester, and what you can do to make a difference in your local forests. (Resources 3, 4, & 6)
5. Understand where maple syrup comes from & examples of wood products. (Resources 7 & 8)

Sample Questions:

1. Which of the following are renewable resources? (circle all that apply)
   - **A. White-tailed deer**
   - **B. Eastern white pine**
   - C. Coal
   - D. Oil
2. Cutting trees that are diseased or sick can help keep a forest healthy. **TRUE** / FALSE