

Name: _____

Date: _____

Tree and Plant Activities

Directions:

1. Use lined or blank paper for each lab. Look at materials list
2. Top of the paper: write your name, date you did the lab, the title and number of the lab
3. Some labs are **individual (I)**, some are **partner (P)**, please look for the correct letter: **I or P**
4. All 7 labs **MUST** be completed and will **ONLY** be accepted if in your folder.
5. Stations do **NOT** need to be done in order.
6. Read the directions written below for the lab **BEFORE** you go to get the materials.
7. Get the required materials, read the directions and follow them very carefully.
8. Don't forget to answer the questions for each of station.
9. When you complete each station put the paper in your folder.
10. Reminder- purposeful movement in the class and do not disturb your classmates learning.
11. **THESE** will be graded based on the expectations and instructions given at each station. **IF** you follow instructions and take your time, you will do well! 😊

____ **1. Trees and Poems: (I)** Materials: book, blank paper, colored pencils

- Independently read on of the books about plants and trees.
- After reading the book choose one page to use the information to write a haiku (short poem) Be sure to only have 3 lines and count the syllables! 5, 7, 5
- **Add sketches and color to your page to help explain your poem.**
- Put your name and the page number on the bottom right
- Put it in your folder when finished.

____ **2. Tree Seeds from a Temperate Forest: (I)**

Materials: "Leaves and Needles" poster, blank paper

- Use the poster to find 4 different trees.
- Sketch the shape of the leaf/needles. Adding as much detail as you see on the poster. **Put 2 on the front and 2 on the back of the paper**
- Under each sketch write the name of the tree as well as a brief description about the leaf/needles.
- Put your sketches in your folder.

_____ **3. Life Cycle Flip Book (I)** Materials: *Flip book instructions, Flipbook worksheet, colored pencils, scissors, stapler*

- Read and follow the instructions carefully
- Put your flip book in the pocket of your folder when completed.

_____ **4. Plant Reproduction: (P)** Materials: *Science Textbook (pages 254-256), handout*

- Read pages 254-256, paying special attention to the diagrams
- Complete the handout using your partner and the book for help.
- Put the handout in your folder when completed.

_____ **5. Parts of the trunk: (P)** Materials: *Tree Trunk information, handout, colored pencils, ruler, x-section of tree*

- Read the information about tree trunks.
- Use this information to label and color the parts of the tree trunk. Choose a different color for each section of the tree trunk.
- When tapping a tree the tap is drilled into the tree about 1.5 inches. Which part of the tree will be tapped to get sap for maple syrup? (you may have to use your ruler to measure your x-section)
- Put your completed paper in your folder when completed.

_____ **6. Growth Rings: . (P)** *Materials: Poster “Reading the Rings of a Tree”, 2 x-sections, notebook paper*

- Read the information on the poster “Reading the Rings of a Tree”
- Look at your x-sections to answer the following questions:
Which are wider, the light or dark rings?
- What do the widely spaced growth rings mean for this tree?
- What do the dark rings mean?
- Below your answers write the numbers of the 2 x-sections.
- Both rings (light and dark) equal 1 year. Count the dark rings for each cross-section and record the age for each.
- Put your paper in your folder when completed.

_____ **7. Photosynthesis: (I)** *Materials: Computer, headphones, textbook, handout*

- Read pages 261-263 in your textbook, paying extra special attention to the definitions and equations for photosynthesis and respiration.
- Watch the Brainpop video on photosynthesis
 - Go to BrainPop
 - Log in using Clever and your Google Account
 - Go to “My Brainpop”
 - You should see that I assigned you a video to watch, if not, go to assignments
 - Click on the assignment (Photosynthesis Movie)
- After watching and reading, complete the handout.
- When finished, put handout in folder.