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Harvard Forest Phenology Study Checklist

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Assemble Materials

- _____ Flagging and/or metal tags
- _____ Data sheets clipboards/pencils
- _____ Tree Field ID guides
- _____ Centimeter ruler
- _____ Light colored electrical or flagging tape
- _____ Permanent marker
- _____ Scissors

Choosing Study Tree Checklist:

- _____ 1. Each tree has at least two branches that students can reach, with at least 6 leaves.
- _____ 2. The trees will survive into future years.
- _____ 3. Identify the trees. Check and note which are native and non-native.
- _____ 4. Choose trees are native (as much as possible.) and include a variety.
- _____ 5. Select enough trees to provide at least one branch per student research team.

Labeling Branches checklist:

- _____ 1. Choose and flag the trees you are working with. Assign each individual tree a number. (Write the number on the flagging.
- _____ 2. Make a table recording the tree number and what species it is.
- _____ 3. Designate the 2 branches on each tree that which will be studied, A, or B. Using electrical tape or flagging, label the branches A and B.
- _____ 4. Using electrical or flagging tape and permanent marker, put a label on the twig to mark where the study leaves begin on the branch.. This will remain after the leaves are gone, marking their location. When labeling, **SKIP** the first bud/leaf at the very tip of the branch (the terminal bud or leaf.) Start counting your 6 study buds/leaves on the twig, beginning with the next bud/leaf. The bud/leaf closest to the terminal leaf is leaf #1; the next leaf is bud/leaf #2, and so on up to 6 study buds/leaves. When you have side branches close to the leaf tip, start with the leaf closest to the side branch’s tip as the next buds/leaves in your study.

Sample Key

Key to Our Schoolyard/Sanctuary Trees

Site/School Name: _____

School Year: 20__-20__

Tree #	Tree Species
1	Sugar Maple
2	Red Maple
3	Scarlet Oak
4	Black Cherry
5	Witch Hazel
6	Black Birch
7	Paper Birch
8	American Beech
9	American Chestnut
10	White Ash

Tree #	Tree Species
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	