

Residence Tree Planting Design

Teachers Note: In order to insure better success for your students, this activity should be preceded by the online offering of “Design A Healthy, Diverse Community Forest” available @ <http://www.dec.ny.gov/education/25420.html>

Objective: Student will design a tree planting plan for their individual residence using previously learned tree growth characteristics, landscape functions and planting site requirements concepts.

Materials: “Design A Healthy, Diverse Community Forest” activity sheets
Pencils and blank paper
Photos/sketch of current residence lot

Activity: Direct students to:

1. Identify trees currently on site at residence
2. Analyze location, soil and light conditions, annual temperature range, etc. for each identified tree
3. Determine suitability of each identified tree in its current location
4. Recommend tree planting substitutions for trees deemed unsuitable for their current respective locations
5. Create and draw an improved tree planting design for student’s residence

Resource: To assist students with tree identification, the web site below offers an online tutorial and “What Tree Is This?” for Eastern U.S. trees.

<http://www.arboday.org/trees/whattree/fullonline.cfm>

A WINDBREAK can lower heating bills 10-20%

NUT TREES can be incorporated into windbreaks or serve as shade trees and benefit wildlife

SHADE TREES planted east and west of your home can cut cooling costs up to 25%.

STREET TREES shade the concrete and help cool the entire neighborhood

