

STUDENT PAGE

LAND MANAGEMENT PLAN

Date: _____ Team Members: _____

1. Goal of our plan:

- Increase shade to cool the landscape
 - Intercept stormwater runoff to slow down erosion and protect a nearby stream
 - Enhance the beauty of the area and provide a relaxing place to study
 - Absorb air pollutants
 - Reduce carbon dioxide emissions
 - Combination of two or more of the above goals
 - Other: _____
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2. How many additional trees can we plant?

Hint: Print a map of the site using the Google Maps “Earth” view. Use the map to count the existing trees and determine how much space is available to plant additional trees. Use the i-Tree Design tool to model crown growth and determine how close together trees can be planted (<https://design.itreetools.org/>).

3. Which tree species should we plant to meet our goal?

Hint: Use the i-Tree Species (<https://species.itreetools.org/>) tool to determine which species of tree will best meet your goal(s). This tool asks a series of simple questions, (address, minimum and maximum tree height constraints, and importance of various environmental services) and then provides a list of recommended trees.

4. Where should the trees be planted?

Hint: Use the i-Tree Design tool to help determine where the trees could be planted (<https://design.itreetools.org/>).