**Tree Planting Proposal Project**

You have been given a grant that will fund the planting of trees on the property of Building 21. You will….

1. Develop a proposal to plant trees in **at least two different areas** on the property of Building 21.  You must use **at least two different species**.

2. Identify the different species that should be planted.

3. Identify and explain the optimal (best) locations to plant the trees.

4. Create a map in Web GIS that shows where the trees will be planted.

5. Write a proposal that describes your plan.

As you work on your proposal, consider….

* Why you will select certain tree species. Consider the following:
	+ Native and non-native trees
	+ Fast growing trees / growth rate
	+ Wind blockage
	+ Shade benefits
	+ Size of the tree
	+ Promoting tree diversity in an area
	+ (etc.)
* Why you will select certain locations. Again, consider
	+ Wind blockage
	+ Shade benefits
	+ Water drainage
	+ Size of the tree
	+ Length of the root system
	+ (etc.)

In your **written proposal**, be sure to include

* A screenshot of the entire Web GIS, showing the **whole of the Building 21 property** and the two or more proposed areas in which you will be planting trees.
* At least 2 screenshots, one for **each different area** from your Web GIS map. For each area,
	+ Discuss your proposed tree planting locations in this area.
	+ Describe how your proposed tree planting locations takes into account existing trees and other features around Building 21 in this area.
	+ Justify why trees should be planted in your proposed locations in this area. Support your justification using data from the Web GIS.
	+ Identify the tree species in this area.
	+ Discuss the major benefits (**such as shade, wind blockage, carbon sequestration**) that your tree species provide for this area.
	+ Discuss how your recommended tree planting areas will impact or change the existing environment.