## CAVOC $8^{\text {th }}$ Grade Curriculum- Urban Forestry

 (Cedric A. Vig Outdoor Classroom)
## Suggested Schedule-

7:50
7:55
8:10
8:15
8:30
9:45
10:05
11:20
12:00
1:15
2:30
2:35
2:40
2:50
2:58

| Sessions | 1 | 2 | 3 | 4 |
| :---: | :---: | :---: | :---: | :---: |
| Time/team | $8: 30-9: 45$ | $10: 05-11: 20$ | $12: 00-1: 15$ | $1: 15-2: 30$ |
| 1 | HE | UF | FA | GEO/O |
| 2 | UF | FA | GEO/O | HE |
| 3 | FA | GEO/O | HE | UF |
| 4 | GEO/O | HE | UF | FA |

Urban Forestry

(~ 75 minutes)

## Objective for Unit

1. Use a clinometer correctly.
2. Gain experience at measuring tree heights and tree diameters.
3. Understand the standard unit of measurement for lumber.
4. Calculate the board footage of a given tree using formulas.
5. Calculate the number of trees needed to build a small structure.

## DPI Standards for Environmental Education

G.12.1, G.12.4, \& G.12.5- Science Standards

## Materials

Clinometers
Worksheet
Pencil
Clipboards
100 ft . tape measure
pole tape
calculator
Information/question packet

## Desired Location

Shelter

## Resource

Urban Forestry

## Background Information

Forests have always been one of our country's basic renewable natural resources. Forestry is therefore a career that one chooses to become a part of our nation's growth and heritage. From the time of the pilgrims to present, our country's forests have not been our pride, but a source of material wealth for the growth of this nation. The abundant wealth that is our forests has been taken for granted for too long, and by too many. The way we have managed this natural resource has not always been the best for the nation as a whole. In our haste to build a better life, we have not always taken into account the plants, animals, and soils we are destroying. Ultimately, biodiversity will be a key indicator of our society's progress.

The development of the Urban Forest is fast becoming a major concern. The population shift in our country from rural to urban is undeniable. People se trees as a barrier to the hot summer sun and harsh winter winds. They see trees as a source of natural aesthetic beauty. Trees are a resource for the renewal of inner peace and health.


