



MAEOE Maryland Association for Environmental
& Outdoor Education

Green School Recertification- May 2024

What You Can Do



Green School Goal 2.5

Structures for Environmental Learning



Goal

Students are to participate in programs that utilize the school grounds and encourage time spent outdoors.

Unified Arts

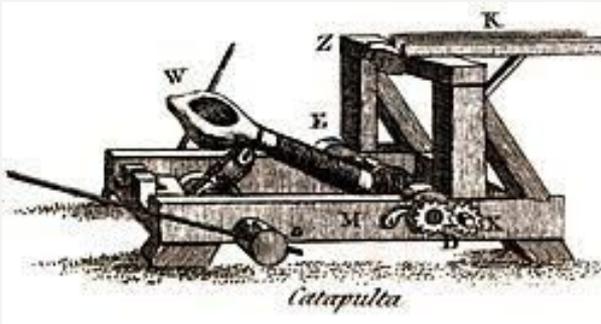
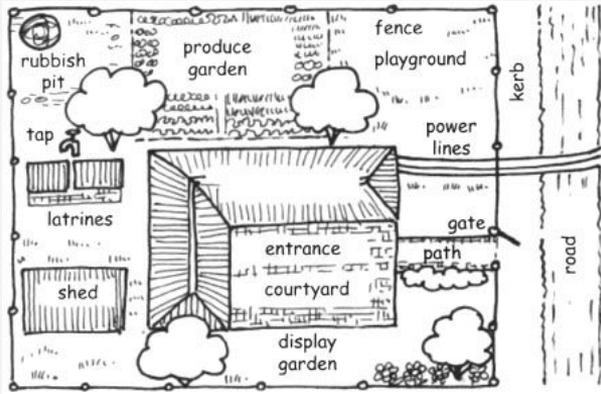


- **Art** - Plein Air painting or collect natural materials for art projects
- **Music** - Listen and analyze lyrics to Rush's song [The Trees](#). Then reinterpret/rearrange the music/lyrics based on visiting specific trees at MMS. Compose a song inspired by nature/environment.
- **P.E.** - Just keep doing what you do!!
- **FLEX** - learn the Spanish words for environmental terms

Additional [Outdoor Lesson Ideas](#)



History/Geography



Other resources:

[Outdoor Lesson Ideas](#)

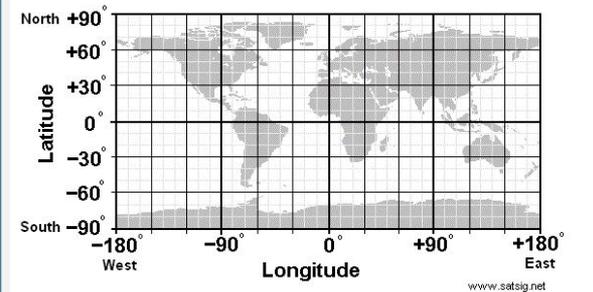
Mapping: Trees, buildings, or parking lot using basic map components

Layout Lat and Long lines on the actual ground with correct orientation

Inventory the types of trees at MMS then **research** how the specific wood was used in different time periods of history (ship building, homes, weaponry)

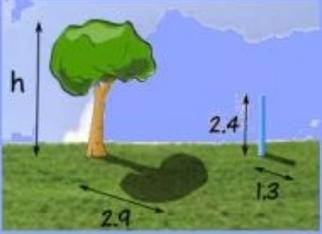
Map the origin of the tagged trees on a world map.

Utilize the gazebo deck for outside independent or pair work.



Math

Similar Triangle



Activity:
The height of a tree can also be calculated by measuring the shadow lengths of a tree and, say, a fence post. The sun's rays form 2 similar triangles hence:

$$\frac{h}{2.9} = \frac{2.4}{1.3} = 1.8$$
$$h = 1.8 \times 2.9 = 5.2 \text{ m}$$

mathesic

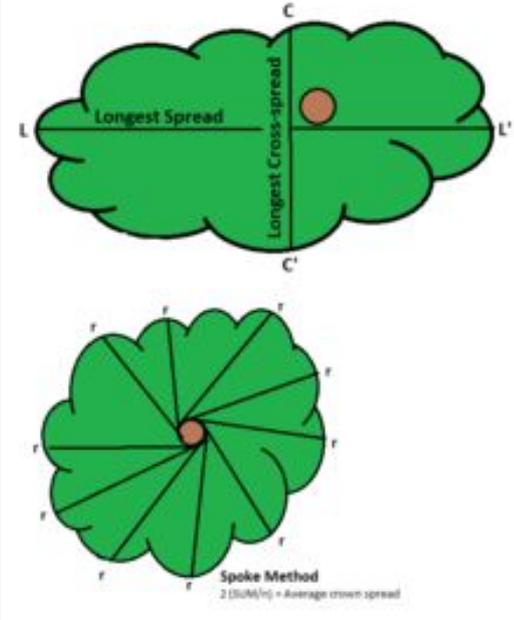


TREE Study

- Measure and calculate tree height - compare/contrast several methods
- Measure & calculate canopy cover
- Measure & calculate canopy volume

OR

Calculate the area of impervious surfaces compared to grass areas



Other resources:
[Outdoor Lesson Ideas](#)

ELA



Pick tagged tree or other outdoor object

- **Write** a poem
- Visit the tree weekly and write journal entry based on that tree's **perspective** (weather, view, wildlife).
- **Descriptive language:** write a description of the location, physical features of your tree or other object in enough detail that someone could find its location.

TEACH THIS
MULTIPLY THE LEARNING

ANIMALS AND MORE ACTIVITIES
Giving Directions

Student A

Map showing a town layout with various locations labeled: Shoe Shop, Cafe, Bookshop, Bank, Hospital, Market, Cinema, Bus Station, and Coffee Shop. A red dot marks the location of the tree.

Ask your partner for directions to:

1. the pet shop
2. the pub
3. the school
4. the zoo
5. the hotel
6. the town hall
7. the gym
8. the post office
9. the library
10. the bakery

Useful language
(Excuse me, where is...?)
How do I get to...?
Go straight...
Turn left/right at the junction.
Go past/around...
Go over the junction.
Walk/Go along the road until...
This... is on your left/right.
It's opposite/next to...
It's in between... and...

Thank You and 200+ Downloads and growing in popularity

Other resources:

[Outdoor Lesson Ideas](#)

Green School Goal 1.2

Environmental Education



Goal

Each school must have staff participate in Environmental Education Professional Development

At least 10 faculty/staff need to participate in a Green School PD for recertification. Please consider registering for the following PD, [MWEE Webinar: VCU BEST in Bay Watersheds: Examining the Role Bivalves Play in Sustaining Local Watershed Ecosystems.](#) It is a 1 hour long zoom meet on Feb. 22 from 11-12(can be recorded). You will need to provide the Green Team with documentation of completion. We are still waiting on communication from MAOEO on exactly what form of documentation they require and will pass that info along as it is received. For now we would ask you to take a screenshot of your registration confirmation and add it to the Green School Documentation doc(see next slide).

Documentation

Please use [Green School Documentation](#) Link to record Green School activities that you do or do with your students.

Green School Documentation

Teacher	Date	Brief Description	Links to plans, pictures, artifacts
Frederick <input type="checkbox"/>	2/22/23	BiValve Webinar	Registration