Phenological Gardens
Site Definition Field Guide

Task
To draw a map, take photographs, describe the soil, and locate the latitude, longitude, and elevation of your phenological garden site

What You Need
- GPS receiver
- GPS Field Guide
- GPS Data Sheet
- Compass
- Phenological Garden Site Definition Sheet
- Camera
- Tape measure or meter stick
- Paper to draw map
- Pencil or pen
- Markers
- Soil Characterization Field Measurement Protocol
- Soil pH Protocol
- Soil equipment for measuring pH (refer to protocol)

In the Field
1. After the garden is planted, draw a map of the garden showing the locations of each plant. Include on the map:
   - School name and address.
   - Date
   - Directions: North, East, South, West.
   - Distances between plants in meters
2. Label each plant with a marker.
3. Identify the latitude, longitude, and elevation following the GPS Measurement Protocol.
4. Stand in the middle of the garden and take photographs in the North, East, South, West directions. Use a compass to determine the directions.
5. Take a photograph of the garden.
6. Identify the soil texture in the top 10 cm following the Soil Characterization Field Measurement Protocol.
7. Measure the pH of the top 10 cm of soil following the Soil pH Protocol.
8. Share the map and photos with other GLOBE schools which you are collaborating with or share on your school page on the GLOBE website.