

Site Preparation II
Island School
4th Grade Hawaiian Studies Class

Goal: Students map layout for planting, prepare site for out-planting.

Standards Addressed:

Domain I

Habits of mind: Using unifying concepts and themes of change, scale and model
Doing Safety
Relating the nature of technology and science

Domain II

Interdependence of science, technology and society
Malama I Ka' Aina

Skills Practiced and Developed:

Restoration planning, mapping, measurement, teamwork, critical thinking

Underlying Concepts Realized:

Plant growth and development, spatial competition, resource competition

Materials Needed:

- 5 sheets ruled graph paper
- 5 tape measures
- 5 shovels (or hand trowels)
- soil conditioner (2 cu. ft.)
- slow release fertilizer
- Pencils

Activities:

Science partner describes and demonstrates activities to students

Students break into groups established during Site Prep I and proceed to garden area

At the garden area each group will receive materials for their activity

After receiving their materials each group begins project

- One group member is responsible for mapping the 2x2 meter area and items within it.
- One group member will take measurements of items within the 2x2 area and report data to map maker.
- Two group members are responsible for preparing planting holes by loosening soil and digging. Directions will be given for proper hole dimensions and soil preparation.
- One group member is responsible for adding soil conditioner and slow release fertilizer.