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.