(Part III-Garden Investigation)

EALR/Standard:

4-5SYS A-D: Systems, subsystems, inputs, outputs 4-5INQ G-H: Interpret results, display and communicate conclusions

Activity:

Explain the data collected in previous days and present findings to the class. *Created by Carrie Reinhart, Environmental studies intern for Whitman College, Spring 2010*

Goals:

Interpret results from collected data Use graphing software to display data Present results to the class Ask relevant questions

Brief description:

As the final part of the subsystems investigation project, students will compile their data using graphing software and draw conclusions. Then, they will make a poster to communicate their results to their peers.

Materials:

Graphing paper Poster board or butcher paper, markers etc. to make posters

Procedure:

After collecting data, each team should use graph paper to make a simple graph showing their results—for example, if the study was about the relative growth over time of plants in the sun versus the shade, the x-axis would represent time in days, and the y-axis would show the height of the plant in centimeters. The graph should then aid them in drawing a simple conclusion to sum up their study (eg. Plants in the shade grew more slowly than plants in the sunlight).

Then, each group should create a poster along to explain their experiment, including the subsystem studied, the input that was manipulated, the main question of the experiment, their hypothesis, their materials and procedure, their results, and their conclusion.

Students should then present the posters to the class. Students in the audience are encouraged to ask relevant questions of the group after each presentation.