

Pick – A – Pest

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Standard Statement(s):

- 4.5.7A – Identify different examples of pests and explain the beneficial or harmful effect of each.
- _ Identify several locations where pests can be found and compare the effects the pests have on each location.
- 4.5.7B – Identify issues related to integrated pest management that effect the environment

Content Objective(s):

The students will be able to:

1. Identify pest organisms and explain why they are considered pests
2. Explain various methods of controlling these pest species
3. Be able to defend their position regarding control methods chosen
4. Be able to identify anatomical and physiological attributes of insect pests

Assessment Strategies:

Written tests, labeled diagrams, discussions, written reports, rap songs or Poems.

Procedures:

Introduction:

With the myriad pest species to study this experience offers the student the Opportunity to study one student selected organism to study to learn as much as possible about. Any of the pest species could be sued for this activity, or limited to only insects.

Procedure:

Students are to select a pest species to research. Data collected will be in the areas outlined below. After completing an outline of information about the selected organism students are to write a poem or rap song about the pest incorporating the factual data collected. These should be shared with the class.

Discussion groups about the different organisms researched with each member of the group gathering info about each of the other member's organism about which they are experts. Teacher selected assessments of the information are used to evaluate student knowledge.

Anatomy

Physiology as it effects pest behavior

Life cycle

Reason for pest status

Where is it a pest

When is it a pest

Method of control

Suggested Level:

Grade 7 or 8

Winter

Standard Category:

Science as Inquiry

Life Science

IPM

Materials:

www

Resource books

IPM materials

Instructional Strategies:

Direct Instruction

Research

Project based

Large

References:

Standard text books on Entomology, Biology, etc.

Related Web Sites:

College of Agricultural Sciences (PSU): <http://www.cas.psu.edu>

Penn State entomology fact sheets: http://www.ento.psu.edu/extension/fact_sheets.htm

Penn State Pesticide Education Program: <http://www.pested.psu.edu>

Pennsylvania IPM Program: <http://www.paipm.cas.pse.edu>

Google: www.google.com