



Arrest That Pest!

EMERALD ASH BORER in Indiana

Day Three – Identify the EAB

Learning About the Beetle and Revising Outreach Campaign Plans

Approximate time One class period

Learning Objectives

Students will be able to:

- Identify EAB
- Identify ash (the EAB host tree)
- Identify signs and symptoms of the EAB
- Work cooperatively to revise campaign plans according to teacher feedback

Preparation

- Review the *Arrest That Pest!* Outreach Campaign Plans, and provide feedback to guide students.
- Review students' materials lists for availability; make recommendations for acquisition.
- Have the EAB Insert available to display for Discussion 5.

Materials

- Flip chart paper
- Markers

Vocabulary

- Identify
- Evidence
- Host
- Characteristics

Teaching Tips

- As you work with students, check for their understanding of vocabulary words and any other new words discussed earlier.

Part One

Introduction

In order to be successful in their efforts to *Arrest That Pest!*, students need to know how to locate and identify EAB. Today, they will spend some time reviewing what they know about the EAB and learning how to locate the EAB in nature.

Activity

- Ask the students: How can we identify EAB? Make a list of these characteristics on chart paper. Encourage students to mention all the distinguishing characteristics that they can remember from their research. The students who were “experts” in this area should provide the most examples.
- Next, ask students to remember what kind of tree the EAB uses as a host. Encourage the students to remember any distinguishing characteristics of ash trees.
- Ask the students to describe evidence (signs and symptoms) of EAB infestation of an ash tree. What evidence would someone see when looking for the pest? Make another list on the chart paper.
- Ask students if they can think of any other places that they might find an adult EAB.
- Display or pass out copies of the Emerald Ash Borers in Your Neighborhood. Have the class look at the insert and compare their lists of information with the information found on the flip chart lists. Make changes/additions to the lists as necessary.

Part 2

Arrest That Pest! Outreach Campaign, Making Revisions

Teaching Tips

- The <<http://www.entm.purdue.edu/EAB>> and <www.emeraldashborer.info> Web sites are great places for images and additional information.

Introduction

Now that the students are more familiar with the appearance of the beetle and evidence of infestation, they can begin to think about how to incorporate this knowledge into their outreach campaigns.

Activity

- Ask teams to review teacher feedback on their *Arrest That Pest!* Outreach Campaign Plans and make adjustments to them, if needed.
- Circle the classroom to answer individual group questions and to approve final Campaign Plans.
- Have students spend the rest of the period working on designing their campaigns and creating the necessary materials. If available, allow teams to work on

computers; they can find images to use within their campaigns from the Web sites mentioned previously.

Wrap Up

As the students work on designing their campaigns and creating the materials they need to deliver their messages, explain that on Day 4 they will be learning how to survey for the EAB and how to report a sighting. This knowledge will be an important element to include in their campaigns.