









Tree Mapping Project



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Emerald-Ash-Borer-Bashing

<u>Aponi Star</u>

She may be the youngest of the crew, but is very wise and crafty with winged insects. She helps locate a nasty bug called the Emerald Ash Borer. To protect trees, Aponi can use a special wasp to kick out the unwelcome borer.





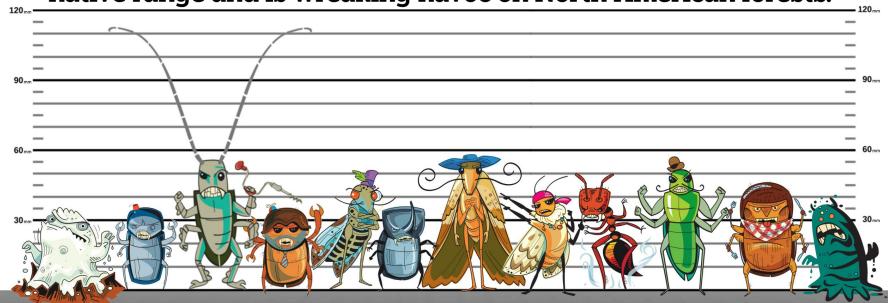


Redbay-Ambrosia-Beetle-Bustin'
Laura Wilkins

As a freshman college student,
Laura studies ecology and science.
She is a born leader and fierce fighter.
Don't let her smile fool you-she is after her dreaded enemy, the
Redbay Ambrosia Beetle!



They're not "bad" at home, but this dirty dozen has escpaed their native range and is wreaking havoc on North American forests.













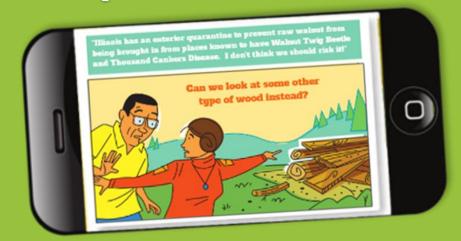










































Field guides



















Curriculum hub



Apply

Suggestions?

- Any -

- Any -

Keywords

Trees in Trouble-Acorn Planting

Home - Lesson Search - Lessons / Activities

Lessons

assigned pollinator.

Smartu Plants

Students begin with observations of acorns and discuss how to tell if they are healthy and what they need to grow. Students then participate in a drawing activity and lengths and weights of acorns are recorded. Additional activities allow students to evaluate how environmental factors impact acorn health and ability to grow.

The lesson begins with a discussion about what pollinators are,

why they are important, and the adaptations plants have to

attract them. The activity that follows includes a discussion

and students then design an imaginary plant adapted to an

focused on specific plant adaptations for different pollinators,

Seedlings (K-4) Subjects: Science, Language Arts Discussing, Observing, Forming Concepts One to two class periods

OPEN LESSON

Saplings (5-8) Science, Math Observing, Organizing, Comparing and Contrasting, Measuring, Evaluating, Analyzing 2-3 Class Periods

OPEN LESSON

About this Lesson

Seedlings (K-4) Observing, Field Work, Classifying, Forming Concepts

Keywords: Gardens

Identifying Plant Family Characteristics

Lesson:

Activity Description:

In this botany field activity, students make observations of the similarities and differences between three types of garden plants (cucumber, pumpkin, and melon) to determine why they are grouped together in one plant family. Students will record their observations in a journal and use these to make predictions of the plant family's defining characteristics.

Standards Addressed 5.1.1.1.3 differences in observations lead to more observation

This activity is designed for students to discover how making observations of the environment is the key to making sound predictions. Students will also learn how both positive and negative outcomes of these predictions can affect and shape future decisions. This is a beginning of the year activity when the garden is in full harvest, and two additional concepts will be to practice good stewardship while observing and to show respectful sharing of the space with others. Vocabulary focus of this lesson: characteristic, stewardship, respect, observe.

Materials:

- . Garden or planting box with cucumber, pumpkin, and melon plants
- · Journals for student observations

Time: Long-term activity

PDF Upload: Identifying plant family characteristics.pdf

Source: Kate Olson, SERC at Carlton College via OERCommons, www.oercommons.org











Games













Instructional enhancements















Tree Mapping Project





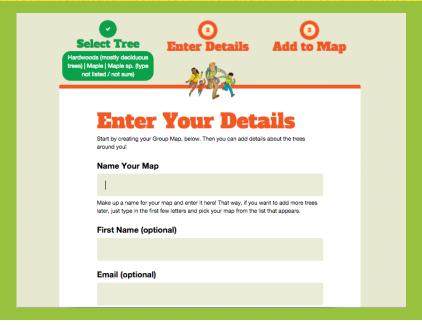












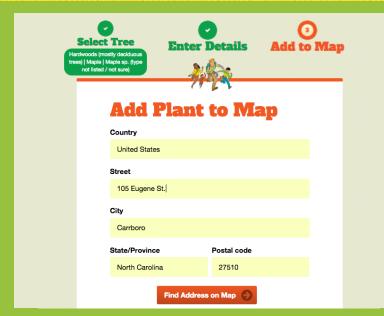




























Group Map:

Mr. Murgels Class

Organization / Site:

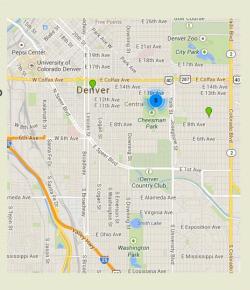
Denver Botanic Gardens Field Trip

Email (optional):

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Tree Info

Green ash



















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Animal and Plant Health Inspection Service



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