



MEGA:BITESS Lesson Plan

Lesson plans related to Medical Entomology & Geospatial Analyses:
Bringing Innovation To Teacher Education & Surveillance Studies

<https://www.megabiteess.org/>

Lesson plan title: Setting up an ovitrap

Lesson plan author(s): Emily Butterfield and Lauren Waldron

Lesson plan school(s): Bearden Middle School

Required background

All needed materials will be housed within this website.

<https://sites.google.com/view/clubbiteess/home>

Students can work their way through each lesson independently or as directed by an instructor as a part of a club, group, or organization.

Before leading this lesson, the instructor should become familiar with The recommended way to set up an ovitrap cup. All needed information can be found in the google slide show on the above linked website.

It is recommended that the instructor work through lesson two on the website so that they are familiar with the materials and activities students will be completing.

There is a google form quiz to test understanding of the materials in the Google Slides. This is set up to give a score and automatic feedback.

Objectives

“I can...”

- successfully set up an ovitrap
- find and organize materials needed for completion of weekly mosquito ovitrapping.

Standards addressed

TN Science Practices:

Planning and carrying out controlled investigations to collect data that is used to test existing theories and explanations, revise and develop new theories and explanations, or assess the effectiveness, efficiency, and durability of designs under various conditions.

Primary task

Students will be learning how to set up an ovitrap and preparing materials for the duration of the collection days.

Other activities

Video

Google Slides

Google Form Quiz

Digital Breakout at the end of the unit.

Assessment

Teachers will informally assess students as they gather their materials (either virtually or in person)

Google form quiz

Digital Breakout at end of the Unit

Materials/links

<https://sites.google.com/view/clubbitess/home>

Potential limitations/issues to anticipate

Students working from home may not have easy access to the needed materials. Acceptable substitutes should be identified or provided for these students.

Internet access may not be available for all students and they may need to access the content asynchronously.

Teachers may want to set up virtual meetings with their club members if they are unable to meet in person. When there are bandwidth issues, having students turn off their camera can help them hear and see others in the meeting.