

Engaging Middle and High School Students in Ecological Learning

Invasion of the Ecosystem Snatchers



Scientists and peers will guide teachers in helping their students weigh pros and cons of competing ecosystem management plans for an invasive species.

**A Workshop for Middle School Science Teachers
Hosted by the Ecological Society of America**

**Saturday, 5 August 2017, 12 - 5 PM,
Oregon Convention Center**

Learning Outcomes in Your Classroom:
<u>Students will use a Unit Summary Table</u> to organize, visualize and share scientific evidence.
<u>Students will create a Decision Matrix</u> to weigh the evidence and choose the optimal management plan for an invasive species.
Bottom line: students will learn how an engineering mindset can solve thorny problems in invasive species management.

Science and Engineering Practices	Disciplinary Core Ideas
Analyzing and Interpreting Data; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence	Interdependent Relationships in Ecosystems; Ecosystem Dynamics, Functioning, and Resilience; Developing Possible Solutions
Crosscutting Concepts	
Cause and Effect, Patterns, Stability and Change	

Cost: \$100.00

Application Deadline: June 5, 2017

ALL FEES AND MATERIALS INCLUDING LESSON RESOURCES FOR YOUR CLASSROOM WILL BE COVERED FOR UP TO TEN APPLICANTS!!!

Contact Dr. Candi Galen at: galenc@missouri.edu for an application form.