



Natural Inquirer Lesson Plan



Invasive Species *Natural Inquirer* Four Article Lesson Plan for the Following Articles:

- *Shoot! Foiled Again! Using Chemicals to Discourage the Pine Shoot Beetle*
- *Goll-y! Don't Take a Knapweed!*
- *Tag You're it! Using Harmonic Radar to Track the Flight of Beetles*
- *And Then There Were Nun: Trees That Could Be Endangered by a Nun Moth Invasion*

Science Skills: analyzing, presenting, sharing, researching

National Science Education Standards Addressed:

- **Life Science-** Regulation & Behavior, Populations and Ecosystems, Diversity & Adaptation
- **Science in Personal and Social Perspectives-** Risks & Benefits
- **History and Nature of Science-** Science as a Human Endeavor

Objectives:

- Students will be able to read, analyze, and present information from an informational article.
- Student will be able to present data from a scientific article using PowerPoint.

Estimated Time for Lesson:

Five to seven 60 minute lessons, depending on information gathering and technology access

Materials:

- Class set of Invasive Species *Natural Inquirers*
- Highlighters
- Computer lab/ or laptops
- PowerPoint software or some kind of presentation software

Procedures:

1. Break students up into groups for each of the articles suggested above.
2. Each group will read the article, answer the Reflection Section questions, complete the FACTivity, and then create a digital presentation using PowerPoint or a similar type of software.
3. Provide each group with the attached S.C.A.N and R.U.N reading guide to help them with reading their assigned article.
4. Once students have finished their digital presentation, the class can hold an Invasive Species symposium where the students present to other classmates and schoolmates what they have learned and what they learned in their FACTivity.

Assessment:

Students should create a slideshow presentation that includes the following elements:

- 1) An introduction slide that includes title of the article, names of the scientists who conducted the study, and the students' names.
- 2) A slide introducing the research
- 3) A slide describing the method the scientist used
- 4) A slide with the findings
- 5) A slide with the discussion
- 6) A slide about the FACTivity
- 7) A slide about what they did for the FACTivity and their results
- 8) A slide with credits and additional information
- 9) There should be at least 3 graphics or pictures used in the presentation

Modifications:

Modifications can be made to group sizes and what information is focused on depending on a student's individual needs. As an extension, a group can be formed to focus on the general topic of invasive species and make a presentation for that topic. Students may want to use pages 5 and 6 in the journal for a starting point.