P. Studt

Eco-Literacy

Tinkering with Eden

Alien Species Case Profile

Summative Assessment

**Directions**:

Part 1: Based on the nature of their destructive offenses, the following alien (invasive) species have been placed on the “Most Wanted” list. Your job is to investigate the culprits and complete a case profile on 3 (1 plant, 1 animal and 1 other).

* Case Profile
  + Make sure your investigations reveal the following information:
    - Alias
    - Origin
    - US States or regions it has been spotted
    - Distinguishing features
    - Preferred Habitat
    - Offenses committed
    - What Plaintiff is suffering because of this species?

Part 2: Based on your investigations, determine who’s most “At Large,” and choose between the following assessment options:

* Create an “America’s Most Wanted” poster or an “America’s Most Wanted” episode to help bring the culprit to justice.
  + Projects must include
    - Scientific name and Common Name (alias)
    - Origin and location
    - How did it get here?
    - What are its offenses: what effects is it causing?
    - Last seen
    - What to do if encountered
    - Pictures!
    - Stay authentic to the format
      * A Wanted Poster should reflect the format and style of posters from that era
      * An America’s Most Wanted episode should reflect the style and personality of the show

**The Culprits** (by region)

NORTHEASTGreen crab, gypsy moth, purple loosestrife, Dutch elm disease, Hydrilla, mute swan, West Nile virus, European starling, hemlock woolly adelgid, Asian longhorned beetle

SOUTHEASTGreen crab, melaleuca, water hyacinth, Chinese tallow, Hydrilla, English ivy, kudzu, fire ant, Brazilian pepper, nutria

MIDWESTZebra mussel, rusty crayfish, sea lamprey, gypsy moth, purple loosestrife, Dutch elm disease, Asian longhorned beetle, leafy spurge

WESTScotch broom, green crab, Chinese mitten crab, goldfish, wild pig, Hydrilla, Africanized honey bee, fire ant, cheatgrass, bullfrog

SOUTHWESTFire ant, Africanized honey bee, tamarisk

HAWAIIMongoose, wild pig, wild goat, rosy wolf snail, invasive marine algae, giant African snail

Score Guide

Unit Assessment

* Case Profile
  + Make sure your investigations reveal the following information:
    - Alias (1 pt)
    - Origin (1 pt)
    - US States or regions it has been spotted (1 pt)
    - Distinguishing features (1 pt)
    - Preferred Habitat (1 pt)
    - Offenses committed (1 pt)
    - What Plaintiff is suffering because of this species? (1 pt)
  + 3 profiles total = 21 pts possible
* Wanted Project
  + Projects must include
    - Scientific name and Common Name (alias) (3 pts)
    - Origin and location (3 pts)
    - How did it get here? (3 pts)
    - What are its offenses: what effects is it causing? (3 pts)
    - Last seen (3 pts)
    - What to do if encountered (3 pts)
    - Pictures! (3 pts)
    - Stay authentic to the format (3 pts)
    - Evidence of proof reading for spelling, usage and mechanics (3 pts)
  + Total = 27 pts
  + Assessment total = 48 points possible