

Name: _____

Day: M T W Th F

Section: _____

Keystone Species PowerPoint

E.Q.: What is a keystone? What is a keystone species? Why are these species important in understanding how ecosystems exist and thrive? What happens when a keystone species is removed?

Objective: Investigate and reinforce Ecology Science standards through the use of technology.

Directions: You will select a keystone species and then research why this species is vital to different eco-systems. You will compile your research in a PowerPoint Presentation (or other presentation application) and present your findings to your peers.

Use the computer to answer the questions below. These questions must be included in your presentation.

1. Common name and Latin name of your keystone species. _____

2. Location and type of eco-system: _____

3. What type of keystone species is the organism? (circle one)

A. Predator

B. Mutualist

C. Engineer

4. How does this species maintain balance to its eco-system? (you must provide at least three examples):

A. _____

B. _____

C. _____

5. How has your species been impacted by human activity?

Science Standard 8 – Ecology - Organisms are linked to one another in an ecosystem by the flow of energy and the cycling of materials. Humans are an integral part of the natural system and human activities can alter the stability of ecosystems. E. In order to survive, populations within an ecosystem require a balance of resources.

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6. Reflection – What is the most important part of what you learned during this project?

7. Use Inspiration or another graphical application to show how your species interacts with other organisms in its eco-system. You will need to save this on the computer in the fifth grad folder. The diagram must include:

- a. The animal
- b. Its role in the eco-system (is it a predator/prey, mutualist, or engineer?)
- c. At least three connections of how it is important to the ecosystem. (See question #4 for help).
- d. Pleasing to look, proper spelling, and punctuation.

8. PowerPoint or other presentation application – The presentation must have:

- a. A title page with a title and your name.
- b. Seven or more slides (with the title slide) with at least one picture on each slide.
- c. Your diagram
- d. Neat with proper spelling and punctuation
- e. Has visual effects that are not distracting

9. Presentation – you will need to present your findings to the class. Under specific, certain conditions, you may not need to present.

- a. Maintain good eye contact
- b. You are speaking loud enough for everyone to hear
- c. You scan the audience
- d. You are prepared

Rubric

Category	1 – Not evident	2 – Some evidence	3 – Good evidence	4 – Great evidence
Collecting information – This paper.	Paper is not completed at all during class and/or has not been returned from home.	Paper is started in class but very little was completed. If the paper was taken home, it was not completed or returned.	Most of the information is collected during class. If paper is taken home, it was not entirely completed or returned promptly.	Information is collected during class and is neat and complete. If paper is taken home, it is returned promptly and is completed.
Inspiration/ Diagram	Has one or none items listed.	Has two required items listed.	Has three required items listed.	Has all four required items listed.
PowerPoint	Has two or fewer required items.	Has three required items.	Has four required items.	Has all five required items.
Presentation	Has one or none items listed.	Has two required items listed.	Has three required items listed.	Has all four required items listed.
Total				

Science Standard 8 – Ecology - Organisms are linked to one another in an ecosystem by the flow of energy and the cycling of materials. Humans are an integral part of the natural system and human activities can alter the stability of ecosystems. E. In order to survive, populations within an ecosystem require a balance of resources.