

Population Studies

Students will understand population dynamics, symbiotic relationships and be able to explain how invasive species disrupt normal population cycles.



Have you ever wondered how many deer are living in the woods near your home? Are there more deer today or do they just have fewer habitats?

Ecology is the study of interaction of populations with each other and the environment. Both biotic and abiotic factors influence the growth and stability of populations within a community. In this unit, you will learn how wildlife biologists study and protect populations.



Required Elements

- Checkpoint Quiz
- Unit Assessment
- 3 Content Elements
- 2 Population Studies
 - 1 Alien Species
 - 1 Eco Relationship
- 1 Review

Content Elements

Choose Three – 10 pts. Each

- Lecture Series** – Participate in face-to-face discussions
 - Web Quest** – Explore population dynamics online through rabbit and fox interactions
- Puzzles** – Learn and practice key vocabulary terms by creating a crossword puzzle
- Reading Guide** – Read and complete guide questions about populations

Population Studies

Choose Two – 5pts. Each

- Population Studies** – Apply math to the concept of wildlife conservation as you evaluate wild populations
 - Aquatic Populations** – Determine how many salmon and crabs are in water using various count methods
 - Oh Deer!** – Play a fun interactive game of tag in class to learn about carrying capacity

Alien Species

Choose One – 5 pts.

- Science World** – Alien Invasion: Asian Carp
- Research** any invasive species

Eco Relationships

Choose One – 5pts.

- Eco Relationships** – Analyze several relationships using charts and graphs
- Trials of Life** – Watch and analyze the symbiotic relationships

Review Guide

Choose One – 10pts.

- Review Guide**
- Review Flashcards**

Name: _____

Hour: _____

August/September

2015

Unit Two: Populations

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	24 Unit One Test Populations Unit Menu Lecture One - Populations	25 Alien Species Warm - Up Review Lecture Two - Community Interactions	26 Warm - Up Review Student Choice Content Element Eco Relationships	27 Warm - Up Review Oh Deer!	28 Warm - Up Review Web Quest?	29
30	31 Checkpoint Quiz Review Student Choice Population Study	1 Warm -Up Review Kahoot	2 Unit Two Test Begin New Unit	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			