

Lab-wide Learning Outcomes for Keystone Predator

Knowledge-Based Outcomes

Upon completion of *Keystone Predator*, students should be able to:

1. Describe characteristics of a keystone species.
2. Explain the difference between a dominant species and a keystone species.

Skills-Based Outcomes

Upon completion of *Keystone Predator*, students should be able to:

1. Deduce competitive relationships in an ecological community, and construct or interpret diagrams that reflect these relationships.
2. Deduce trophic relationships in an ecological community, and construct or interpret diagrams that reflect these relationships.

Keystone Predator, Part 1: Rocky Intertidal Community Dynamics

Knowledge-Based Outcomes

Upon completion of *Part 1: Rocky Intertidal Community Dynamics*, students should be able to:

1. Define ecological community.
2. Define community structure.
3. Differentiate between producers and consumers in an ecological community.

Keystone Predator, Part 2: Ruling the Rock

Knowledge-Based Outcomes

Upon completion of *Part 2: Ruling the Rock*, students should be able to:

1. Differentiate between direct and indirect effects.

Skills-Based Outcomes

Upon completion of *Part 2: Ruling the Rock*, students should be able to:

1. Predict qualitative results of species removal experiments, given competitive dominance and feeding relationships for the species in an ecological community.

Keystone Predator, Part 3: Invasion!

Skills-Based Outcomes

Upon completion of *Part 3: Invasion!*, students should be able to:

1. Apply understanding of relationships among species in a community to predict and explain the effects of the introduction of an invasive predator.