

Wolves: Biology and Controversy Module

Objectives

- Understand the significance of keystone species and population interactions in an ecosystem
- Understand system-wide implications of human actions on the environment
- Research and discuss diverse perspectives on wolf conflict, create a plan for wolf management, and practice compromise
- Participate in fieldwork to observe and mitigate environmental effects of human behavior

Colorado Standards

Grade	Subject	Expectation	Module Activity
9 th	Oral Expression & Listening	Oral presentations require effective preparation strategies	Diverse Perspectives Activity
9 th	Oral Expression & Listening	Listening critically to comprehend a speaker's message requires mental and physical strategies to direct and maintain attention	Diverse Perspectives Activity
9 th	Research & Reasoning	Effective problem-solving strategies require high-quality reasoning	Fact or Myth Activity; Diverse Perspectives Activity
10 th	Oral Expression & Listening	Content that is gathered carefully and organized well successfully influences an audience	Diverse Perspectives Activity
10 th	Oral Expression & Listening	Effectively operating in small and large groups to accomplish a goal requires active listening	Fact or Myth Activity; Diverse Perspectives Activity
10 th	Research & Reasoning	Collect, analyze, and evaluate information obtained from multiple sources to answer a question, propose solutions, or share findings and conclusions	Fact or Myth Activity; Diverse Perspectives Activity
10 th	Research & Reasoning	An author's reasoning is the essence of legitimate writing and requires evaluating text for validity and accuracy	Diverse Perspectives Activity
11 th	Oral Expression &	Verbal and nonverbal cues impact the intent of	Diverse Perspectives Activity

	Listening	communication	
11 th	Oral Expression & Listening	Validity of a message is determined by its accuracy and relevance	Diverse Perspectives Activity
11 th	Research & Reasoning	Complex situations require critical thinking across multiple disciplines	Ripple Effect Activity; Diverse Perspectives Activity
11 th	Research & Reasoning	Evaluating quality reasoning includes the value of intellectual character such as humility, empathy, and confidence	Diverse Perspectives Activity
12 th	Oral Expression & Listening	Effective speaking in formal and informal settings requires appropriate use of methods and audience awareness	Diverse Perspectives Activity
12 th	Oral Expression & Listening	Effective collaborative groups accomplish goals	Diverse Perspectives Activity
12 th	Research & Reasoning	Logical arguments distinguish facts from opinions; and evidence defines reasoned judgment	Diverse Perspectives Activity
High School	Life Science	The size and persistence of populations depend on their interactions with each other and on the abiotic factors in an ecosystem	Biodiversity Case Study; Ripple Effect Activity; Fact or Myth Activity; Diverse Perspectives Activity
High School	Civics	Research, formulate positions, and engage in appropriate civic participation to address local, state, and national issues or policies	Diverse Perspectives Activity

STEM Connections

Science – Students study complex ecosystem interactions by exploring the effects of the presence or absence of wolves in an ecosystem.