

Wildlife guidelines correlated to the National Science Standards

Key **National Science Standard (NSS)**

UC	Unifying Concepts
I	Inquiry
P	Physical Science
L	Life Science
E	Earth & Space Science
ST	Science & Technology
SP	Personal & Social Perspective
H	History & Nature of Science

Learning Objectives	Key Point 4: Issues Involving Wildlife and Society	Activity	NSS	Topic
1.	Understand how non-native (exotic), invasive species threaten our environment and the biodiversity of many wildlife species. Understand that non-native (exotic), invasive plants impact wildlife habitat and thus have a tremendous impact on native wildlife.	List examples of Aquatic Nuisance Species	I, P, E, L, UC, SP	Natural Resources, Environmental quality, Natural & Human Induced Hazards, Population Growth
2.	Learn about the complexities of decision-making in making land use decisions that affect wildlife, and understand that wildlife resources are under constant pressure caused by human population growth, environmental degradation, and habitat reduction.	Give examples of habitat loss. Design a poster to illustrate the HIPPO concept.	I, UC, SP, H	Population Growth, Natural Resources, Environmental Quality, Nature of Scientific Knowledge
3.	Know that Wildlife species are subject to diseases resulting from exposure to microbes, parasites, toxins,	Explain the life cycle of diseases	P, E, L, UC, ST,	Natural resources, Environmental Quality,

	and other biological and physical agents.	and how they are transmitted to humans.	SP	Natural & Human hazards, Science and Technology
4.	Understand the terminology and factors that affect threatened and endangered wildlife species. Know the meaning of extinct, extirpated, endangered, threatened, candidate species and reintroduction.	Study and understand terminology	P, E, L, UC, SP, H	Natural Resources, Population Growth, Natural Resources, Environmental Quality, Natural & Human-Induced Hazards
5.	Identify the characteristics that many extinct and endangered species possess, and be able to identify many species of wildlife that are endangered and threatened.	Create a display of endangered species	I, P, E, L, UC, SP	Natural Resources, Population Growth, Natural Resources, Environmental Quality, Natural & Human-Induced Hazards
6.	Understand the role of the Endangered Species Act in helping to conserve endangered and threatened species. Know the organizations and agencies responsible for listing and protecting endangered species on global, federal, state and provincial levels.	Describe actions being taken to protect endangered species	UC, SP, ST, H	Natural resources, Environmental Quality, Population Growth, Natural Resources, Environmental Quality, Natural & Human-Induced Hazards, Science & Technology in Local, National & Global Challenges