

DISCOVER PARKS!

(Grade 9)

In order to provide you and your class with a useful and enriching learning experience CPAWS has designed its **Grade 9 Discover Parks!** program to cover the following curriculum requirements:

Science Unit A: Biological Diversity

Learn that diversity is maintained through natural processes of sexual and asexual reproduction, though the survival of individual species - and variations within those species - may be influenced by ecological and human-caused factors. Examine trends toward loss of diversity and examine related issues concerning environmental quality and the impact of technologies.

Social Studies General Outcome 9.2: Economic Systems in Canada and the United States

Demonstrate an understanding and appreciation of how economic decision making in Canada and the United States impacts quality of life, citizenship and identity.

After participating in these two presentations, students should be able to:

- Investigate and interpret diversity among species and within species, and describe how diversity contributes to species survival.
 - Observe variation in living things and describe examples of variation among species within species.
 - Identify examples of niches, and describe the role of variation in enabling closely related living things to survive in the same ecosystem.
 - Investigate and interpret dependencies among species that link the survival of one species to the survival of others.
 - Identify examples of symbiotic relationships.
 - Classify symbiotic relationships as mutualism, commensalism or parasitism.
 - Identify the role of variation in species survival under changing environmental conditions.
- Identify impacts of human action on species survival and variation within species, and analyze related issues for personal and public decision-making.
 - Describe the relative abundance of species on Earth and in different environments.



- Describe ongoing changes in biological diversity through extinction and extirpation of native species, and investigate the role of environmental factors in causing these changes.
- Evaluate the success and limitations of various local and global strategies for minimizing loss of species diversity.
- **Assess, critically, the interrelationship between political decisions and economic systems by exploring and reflecting upon the following questions and issues:**
 - Explore how government decisions on environmental issues impact quality of life.
 - Engage in current affairs, issues and concerns of a local nature.

i For more information, please visit
www.cpaws-southernalberta.org/campaigns/education

Or contact us
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