

# Hibernation - Alberta Examples

## Video/Indoor Activity

### Curriculum: Science, Biology



Watch this 19 minute video, [Hibernation – Alberta Examples](#), to learn from local experts on how different animals in Alberta use hibernation to survive winter. As integral components of an ecosystem, these animals are also significant as part of Alberta's biodiversity. Afterwards, through your own personal research and the content of the video reflect on the questions provided and capture your thoughts in your science journal. Animals featured

include:

- Ground Squirrels – Jeffery Lane, Associate Professor, Department of Biology, University of Saskatchewan (cue: 0-3:15 min.)
- Bats – Lisa Wilkinson, Species At Risk Biologist, Alberta Environment (cue: 3:16-5:54 min.)
- Grizzly Bears – John Paczkowski, Wildlife Ecologist, Alberta Parks (cue: 5:55-9:55 min.)
- Snakes – Roland Kirzinger, Education Coordinator, Fish Creek Provincial Park (cue: 9:56-14:04 min)
- Amphibians – Vicki Perkins, Education Coordinator, Kananaskis Country (cue: 14:05-19:06 min.)

### Reflection Questions:

- What strategies do these animals share to adapt to winter? How do their adaptations differ?
- Pick one animal and draw a food web for it (an interconnection of food chains showing what eats what in an ecological community).
- Can you identify a natural region and one Provincial Park where you may find this animal?
- Why is your animal important to the ecosystem?
- Does human activity on the landscape affect your animal? Explain your thoughts.

- What role do Alberta's Parks and Protected areas have in the conservation of your species?
- What can you do to support the conservation of your chosen animal?