

# Alberta

## AB 7

### Science

#### 7. A Interactions and Ecosystems

1. Investigate and describe relationships between humans and their environments, and identify related issues and scientific questions;
2. Trace and interpret the flow of energy and materials within an ecosystem;
3. Monitor a local environment, and assess the impacts of environmental factors on the growth, health and reproduction of organisms in that environment;
4. Describe the relationships among knowledge, decisions and actions in maintaining life-supporting environments

## AB 8

### Science

#### 8. E. Freshwater and Saltwater Systems

1. Describe the distribution and characteristics of water in local and global environments, and identify the significance of water supply and quality to the needs of humans and other living things;
4. Analyze human impacts on aquatic systems; and identify the roles of science and technology in addressing related questions, problems and issues

## AB 9

### Health and Life Skills

#### *Personal Health*

- use knowledge of a healthy, active lifestyle to promote and encourage family/peer/ community involvement

#### *Learning Strategies*

- use decision-making skills to select appropriate risk-taking activities for personal growth and empowerment (e.g., increasing freedom means increased responsibility for consequences of choices)

## AB 10

### Knowledge and Employability Science

#### *Investigating Matter and Energy in Environmental Systems*

- examine how various abiotic factors influence biodiversity in an ecosystem (e.g., climate, substrate, temperature, elevation)
- explain how various factors influence the size of populations (e.g., immigration, emigration, birth rate and death rate, food supply, predation, disease, number of offspring produced, climate change)