



Grade 4 - Regions of Alberta



4.1 Alberta: A Sense of the Land

General Outcome

Students will demonstrate an understanding and appreciation of how elements of physical geography, climate, geology and paleontology are integral to the landscapes and environment of Alberta.

Specific Outcomes

Values and Attitudes

Students will:

4.1.1 Value Alberta's physical geography and natural environment:

- appreciate the diversity of elements pertaining to geography, climate, geology and paleontology in Alberta (LPP)
- appreciate how Alberta's fossil heritage contributes to the province's unique character (LPP)
- appreciate the variety and abundance of natural resources in Alberta (ER, LPP)
- appreciate the environmental significance of national and provincial parks and protected areas in Alberta (ER, LPP)
- appreciate how land sustains communities and quality of life (ER, LPP)
- demonstrate care and concern for the environment through their choices and actions (LPP)

Knowledge and Understanding

Students will:

4.1.2 Examine, critically, the physical geography of Alberta by exploring and reflecting upon the following questions and issues:

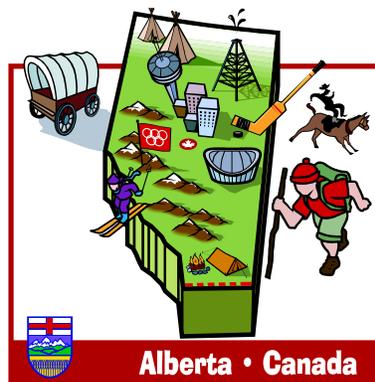
- Where is Alberta located in relation to the other provinces and territories of Canada? (LPP)
- What are the major geographical and natural vegetation regions, landforms and bodies of water in Alberta (e.g., prairie region, forests, rivers, hoodoos, Rocky Mountains, oil sands)? (LPP)
- What are the factors that determine climate in the diverse regions of Alberta (e.g., latitude, mountains)? (LPP)
- What are the significant natural resources in Alberta, and where are they located (e.g., mineral deposits, coal, natural gas and oil, forests)? (ER, LPP)
- How are Alberta's provincial parks and protected areas and the national parks in Alberta important to the sustainability of Alberta's natural environment? (ER, LPP)

4.1.3 Examine, critically, how geology and paleontology contribute to knowledge of Alberta's physical geography by exploring and reflecting upon the following questions and issues:

- What geological features make Alberta unique (e.g., hoodoos, Rocky Mountains, foothills, oil sands)? (LPP, ER)

4.1.4 Analyze how Albertans interact with their environment by exploring and reflecting upon the following questions and issues:

- In what ways do the physical geography and natural resources of a region determine the establishment of communities? (LPP)
- How are natural resources used by Albertans (i.e., agriculture, oil and natural gas, forests, coal)? (ER, LPP)
- How do Albertans deal with competing demands on land use (e.g., conservation, solar and wind power, recreation, agriculture, oil exploration, forestry)? (ER, LPP)
- Whose responsibility should it be to ensure the preservation of national parks, provincial parks and protected areas in Alberta? (C, LPP, PADM)



Regions of Alberta

Alberta is a big province.

It has six natural regions.
Can you find the six regions on
the map?

Use the legend to color your map.



http://aet.alberta.ca/englishexpress/articles/pdf/ra11_09_13.pdf

Zooming In...Alberta's Regions – (Learn Alberta) <http://www.learnalberta.ca/content/sszi/en/index.html>

Parkland Region

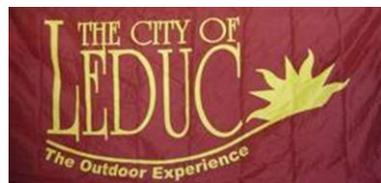
- Is in central Alberta
- Is surrounded by other regions
- **Leduc** is located in the Parkland Region



<http://www.panoramio.com/photo/7168181>



: <http://tripwov.tripadvisor.com/slideshow-photo/alberta-farmland-by-travelpod-member-sarzm-calgary-c>



http://en.wikipedia.org/wiki/Forestburg,_Alberta
<http://www.crwflags.com/fotw/flags/ca-ab-lc.html>

Parkland Region

Land

- There are many **sloughs**. **What is a slough?**
- There is a mixture of flat and hilly areas.
- There is fertile soil. **What could this soil be used for?**
- The North Saskatchewan River runs through this region.
- There are **wetlands**. **Should we protect them?**
- Before people settled here, the area was covered with woodlands and large areas with grasses and shrubs.
- Now much of the land is cleared for **agriculture**.



<http://www.flickr.com/photos/spokelens/106021839/>

<http://www.flickr.com/photos/52351720@N04/6010172860/>

<http://www.panoramio.com/photo/3768604>

Parkland Region

Plants

- The region is covered in grasslands with patches of trees. The main trees found here are Aspen, Willow, Poplar and Saskatoon bushes. This type of vegetation grows here because this region has lots of sun, but not too much rain.
- Much of the land is used for agriculture – farming activities like growing crops and raising cattle.



<http://www.northernbushcraft.com/berries/saskatoonBerry/notes.htm>

<http://www.animal-picture.tk/animal-pictures/cattle-pictures.html>

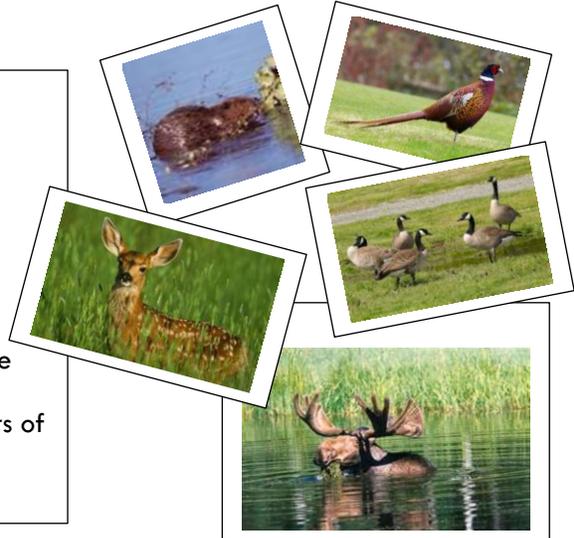
Parkland Region

Animals

- Elk
- Moose
- Deer
- Pheasants
- Coyotes
- Rabbits
- Beavers
- Canadian geese make their home here in the summer

- Beaverhill Bird Observatory – large numbers of birds stop here during migration

<http://beaverhillbirds.com/index.php#>



<http://www.wetlandsalberta.ca/wetland-creatures/>

<http://en.wikipedia.org/wiki/File:Pheasant.jpg>

http://commons.wikimedia.org/wiki/File:Canada_Geese_at_Marymoor_Park.jpg

<http://www.picturesdepot.com/wallpapers/29110/deer.html>

<http://www.usageorge.com/Wallpapers/Animal/Moose.html>

Parkland Region

Land Use (Natural Resources)

- Farming
- Oil and gas

What is oil and gas used for?



<http://www.apsleyfarms.co.uk/cultivating.html>

<http://www.theepochtimes.com/n2/content/view/11090/>

<http://www.yellowpages.ca/bus/Alberta/Calgary/Calgary-Farmers-Market/7322031.html>

Parkland Region

Climate

- The weather varies greatly.
- Summers are usually warm, with not a lot of rain.
- In winter it is usually snowy and can be quite cold.

How do you think climate can affect recreation activities?



How do you think climate, in summer and winter, affects farmers' crops?



<http://prairiestormtranquillity.blogspot.com/2011/07/july-142011-severe-warned-thunderstorm.html>
<http://www.flickr.com/photos/westrock-bob/3206584008/>

Parkland Region

Travel Alberta
Canada

- The Torrington Gopher Hole Museum - <http://thegauntlet.ca/story/3196>
- Ukrainian Cultural Heritage Village - <http://history.alberta.ca/ukrainianvillage/>
- Fort Edmonton Park - <http://www.fortedmontonpark.ca/>
- Elk Island National Park - <http://www.pc.gc.ca/pn-np/ab/elkiland/index.aspx>
- Camping, quadding and fishing.
- Sledding, cross-country skiing.



<http://www.alberta-fishing-advisor.com/albertafishingguides.html>
http://www.lakepropertyforsale.ca/photos_lake_marina_Alberta.html
http://www.tripadvisor.com/LocationPhotos-g181803-Fort_Saskatchewan_Alberta.html

Parkland Region

Jobs –

What types of jobs do you think are available in this region?

