In order to provide you and your class with a useful and enriching learning experience CPAWS has designed its Grade 4 Water Rangers program to cover the following curriculum requirements:

**Science Topic A:**
**Waste and Our World**
Recognize that human activity can lead to the production of wastes, and identify alternatives for the responsible use and disposal of materials.

**Science Topic 4.1:**
**Alberta: A Sense of the Land**
Demonstrate an understanding and appreciation of how elements of physical geography, climate, geology and paleontology are integral to the landscapes and environment of Alberta.

---

**Presentation #1**
After participating in these two presentations, students should be able to:

- Identify plant and animal wastes, and describe how they are recycled in nature.
- Identify and classify wastes that result from human activity.

**Presentation #2**
After participating in these two presentations, students should be able to:

- Identify plant and animal wastes, and describe how they are recycled in nature.
- Identify and classify wastes that result from human activity.
- Describe alternative methods of disposal, and identify possible advantages and disadvantages of each.
- Distinguish between wastes that are readily biodegradable and those that are not.
- Identify waste that may be toxic to people and to the environment.
- Describe the flow of their local river from its headwaters to its end.
- Distinguish between wastes that are readily biodegradable and those that are not.
- Identify methods of waste disposal currently used within the local community.
- Identify alternative materials and processes that may decrease the amount of waste produced.
- Identify ways in which materials can be reused or recycled.
- Identify actions that individuals and groups can take to minimize the production of wastes, to recycle or reuse wastes and to ensure the safe handling and disposal of wastes.
Additionally, students will:

- Appreciate the environmental significance of parks and protected areas in Alberta.
- Discuss whose responsibility it should be to ensure these areas in Alberta.
- Demonstrate care and concern for the environment through their choices and actions.

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

Or contact us
E education@cpaws.org or P 403.232.6686