

# spoiled

## A Grade 7 Science EcoKit



This curriculum linked environmental education program is designed to help Grade 7 students understand how human dependency on oil impacts the environmental health of the Great Lakes basin and other aquatic ecosystems.

- ✓ **Three 50-minute lessons plans plus a culminating ‘Class Action!’ activity**
- ✓ **Contains all materials, including a complete teacher lesson plan binder and student worksheet package**
- ✓ **Instructional strategies include a PowerPoint presentation, hands-on experiment and reflective jigsaw activity**
- ✓ **Easy to order for a 2-week borrowing period**
- ✓ **Free shipping available**

# spOILed: a grade 7 EcoKit

## Purpose

This program is designed to help teachers and students explore how human dependency on oil impacts the environmental health of the Great Lakes basin and other aquatic ecosystems.

## Curriculum Links

Grade 7 Science

Understanding Life Systems: Interactions in the environment

## Overall Expectations

1. Assess the impacts of human activities and technologies on the environment, and evaluate ways of controlling these impacts;

## Specific Expectations

- 1.1 Assess the impact of selected technologies on the environment
- 2.3 Use scientific inquiry / research skills to investigate occurrences that affect the balance within a local ecosystem.
- 2.4 Use appropriate science and technology vocabulary, including *sustainability*, *biotic*, *ecosystem*, *community*, *population*, and *producer*, in oral and written communication.
- 3.8 Describe ways in which human activities and technologies alter balances and interactions in the environment.

**Program Overview:** All lessons are designed to be completed in a 50-minute block.

Lesson 1:

- Introductory “treasure box” activity
- 10-slide PowerPoint presentation: The ecological footprint of oil

Lesson 2:

- “What if...” experiment: Investigating how oil impacts water fowl and aquatic habitats

Lesson 3:

- Lake Superior facts
- Jigsaw activity: The GREAT Lakes basin...spOILed?
- Reflective “treasure box” activity

Homework Page:

- A short reflection page for students

Lesson 4+:

- Your choice of a Class Action! culminating activity