Alaska Oil Spill Lesson Bank

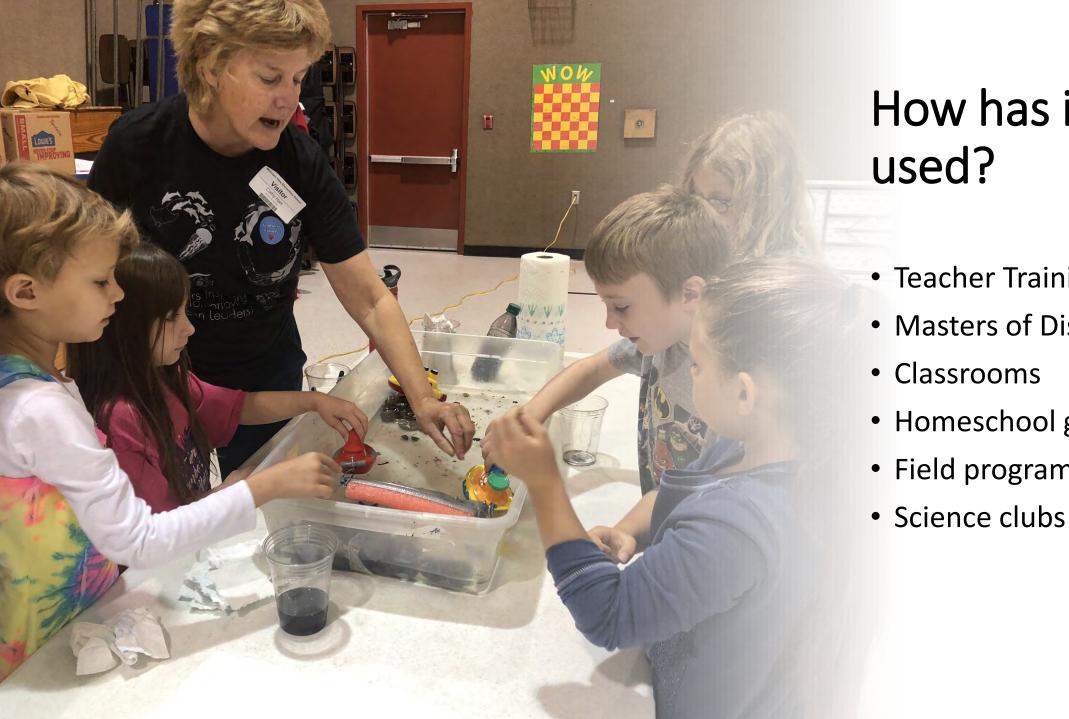
Formerly: Alaska Oil Spill Curriculum





Origins

- Written and compiled by local educators shortly after the oil spill (1989).
- Grassroots effort by the education community, led by Belle Mickelson.
- Beth Trowbridge, one of the original authors, led outreach and teacher training from the PWS Science Center in the 90's.
- PWSRCAC became the host.
- Last big update in 2013.
- New teacher-generated lessons regularly added.



How has it been

- Teacher Trainings
- Masters of Disaster
- Homeschool groups
- Field programs & camps

Who has used it?





Chugach

School



























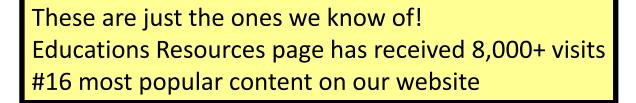




ALASKA

COASTAL STUDIES

explore · connect · protect









How does this further our mission?

Content includes:

- History of Exxon Valdez oil spill
- Chemistry of oil
- Ecosystem science
- Engineering oil response strategies
- Citizen engagement & advocacy
- Stewardship ethic

Update 2019-2021

- More professional
 - Template
 - Science standards
 - Modernized content



Update 2019-2021

- More user-friendly
 - Educator tips
 - Assessments and grading rubrics
 - How-to guide



Update 2019-2021

- More accessible
 - Search & Filter webtool
 - Teacher-driven design and language
 - Rename





What's next?

- Outreach!
 - Strategic: who, how, where, when
 - Covid complications

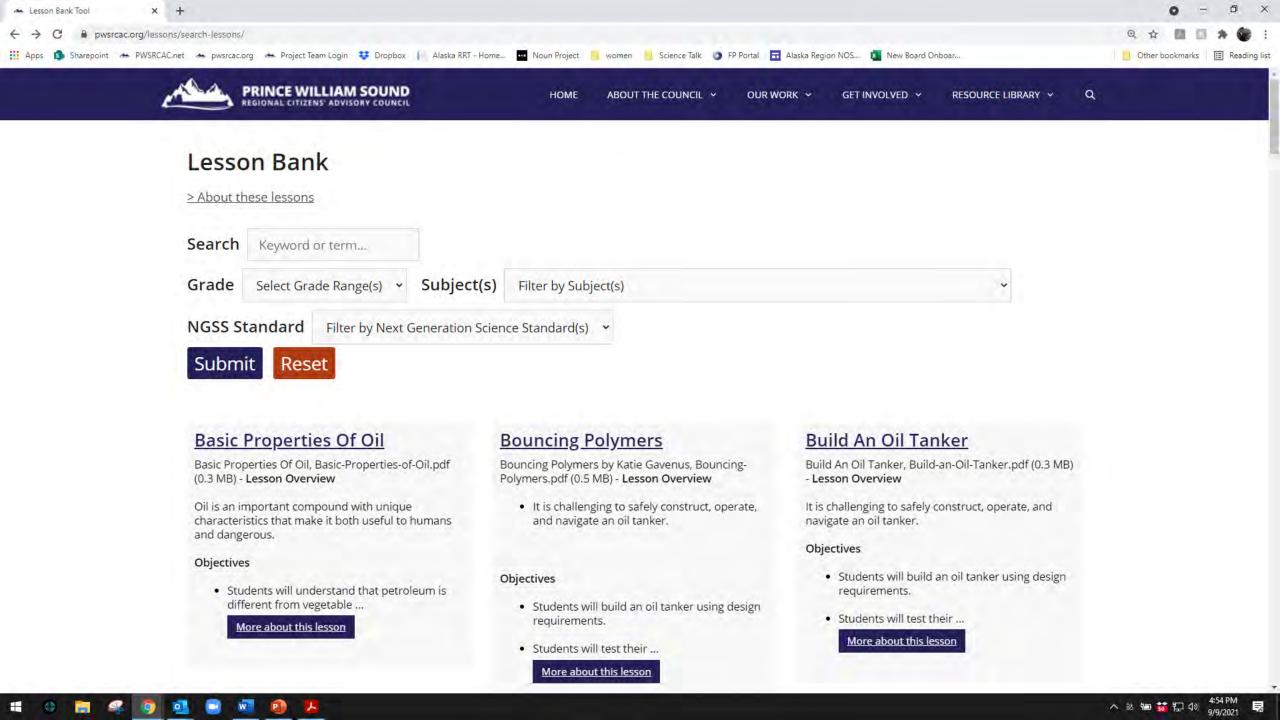


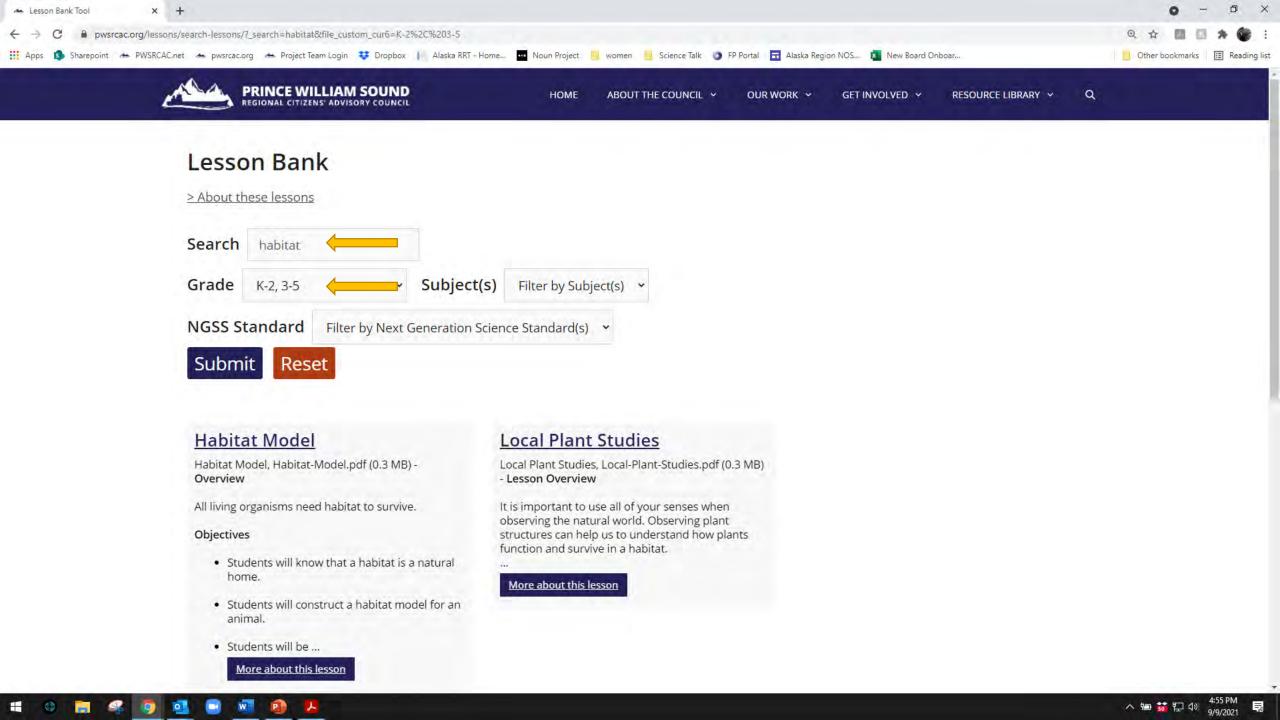


What's next?

Better story telling and data gathering









Habitat Model

Overview

All living organisms need habitat to survive.

Objectives

- Students will know that a habitat is a natural home.
- Students will construct a habitat model for an animal.
- Students will be introduced to the specific habitat requirements of different animals.

View: <u>Habitat Model</u>

Date: April 14, 2021 File size: 0.3 MB

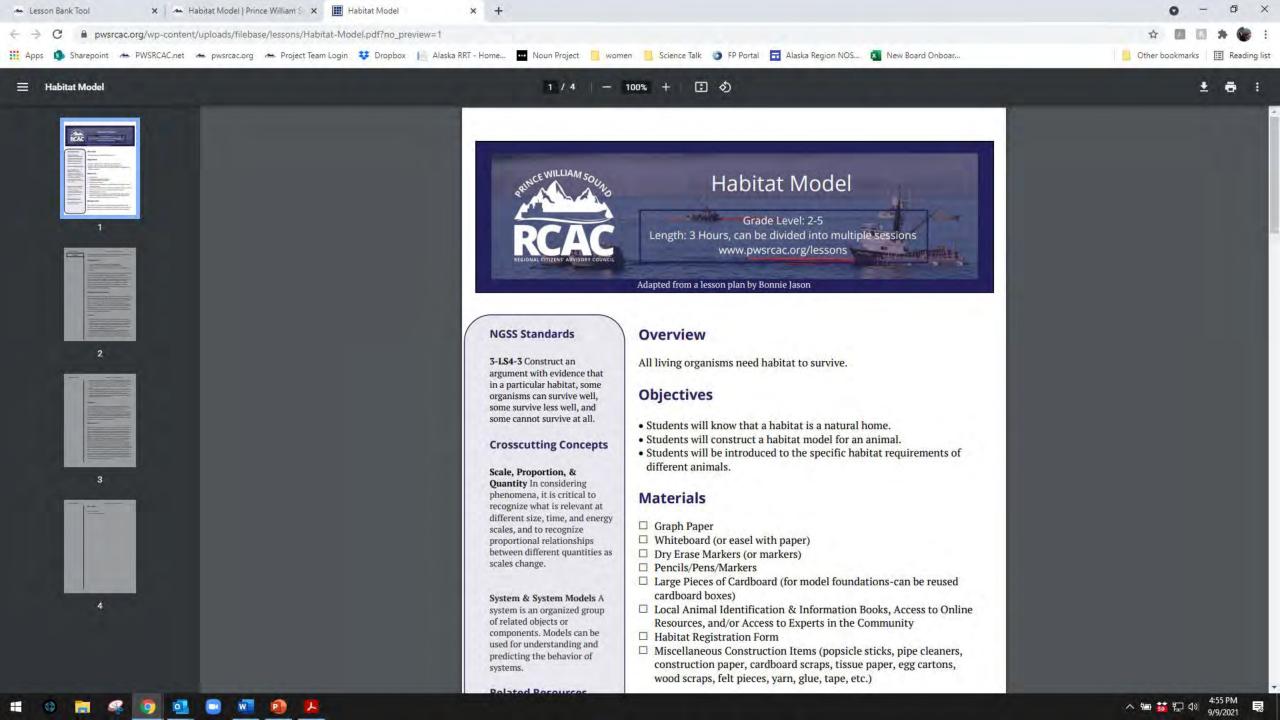
Category: 0001 2021 Lesson Plans

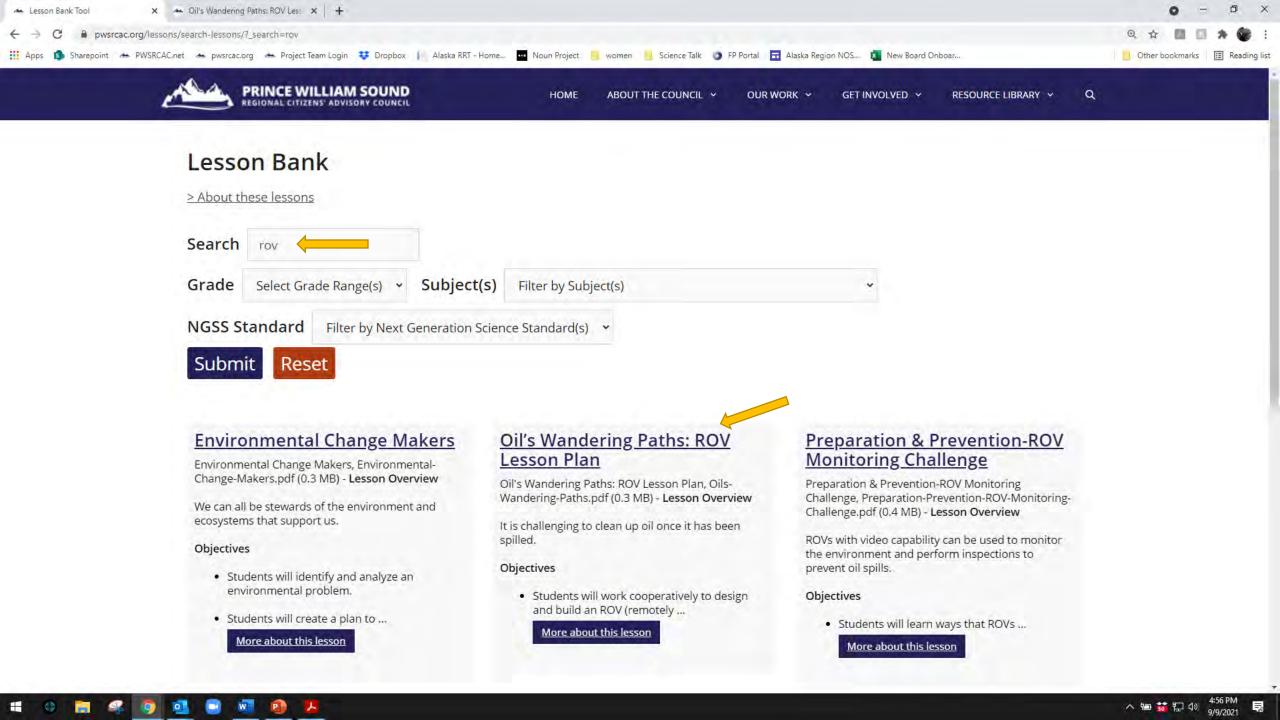
Grade Level: K-2, 3-5 Subject: Life Science

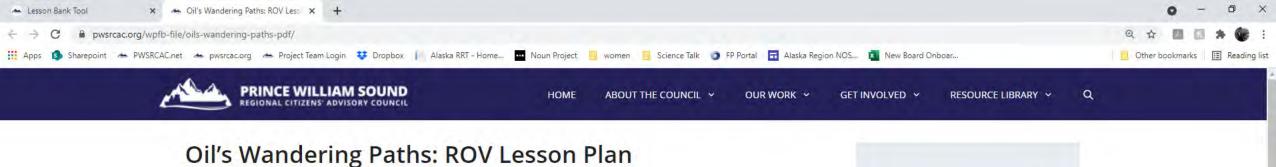
Concept: Scale Proportion and Quantity

Type: Classroom File type: lesson plan Standard: 3-LS4-3









Lesson Overview

It is challenging to clean up oil once it has been spilled.

Objectives

- Students will work cooperatively to design and build an ROV (remotely operated vehicle) in response to a mock oil spill.
- Students will demonstrate how to operate equipment similar to real-life oil response equipment.

Supporting Materials

- "ROV Design and Oil Spill Response" Power Point Presentation
- "ROV Design and Oil Spill Response" Worksheet
- "Points to Ponder When Designing ROVs" Handout
- "ROV Frame Examples" Handout (PDF)

UPCOMING DATES SEP all-day Board of 16 Directors Meeting -Thu Vir... 2021 View Calendar →

View: Oil's Wandering Paths: ROV Lesson Plan





















