

Mineral & Petroleum Literacy



Oil?

Air quality?

MINING? WHAT FOR?

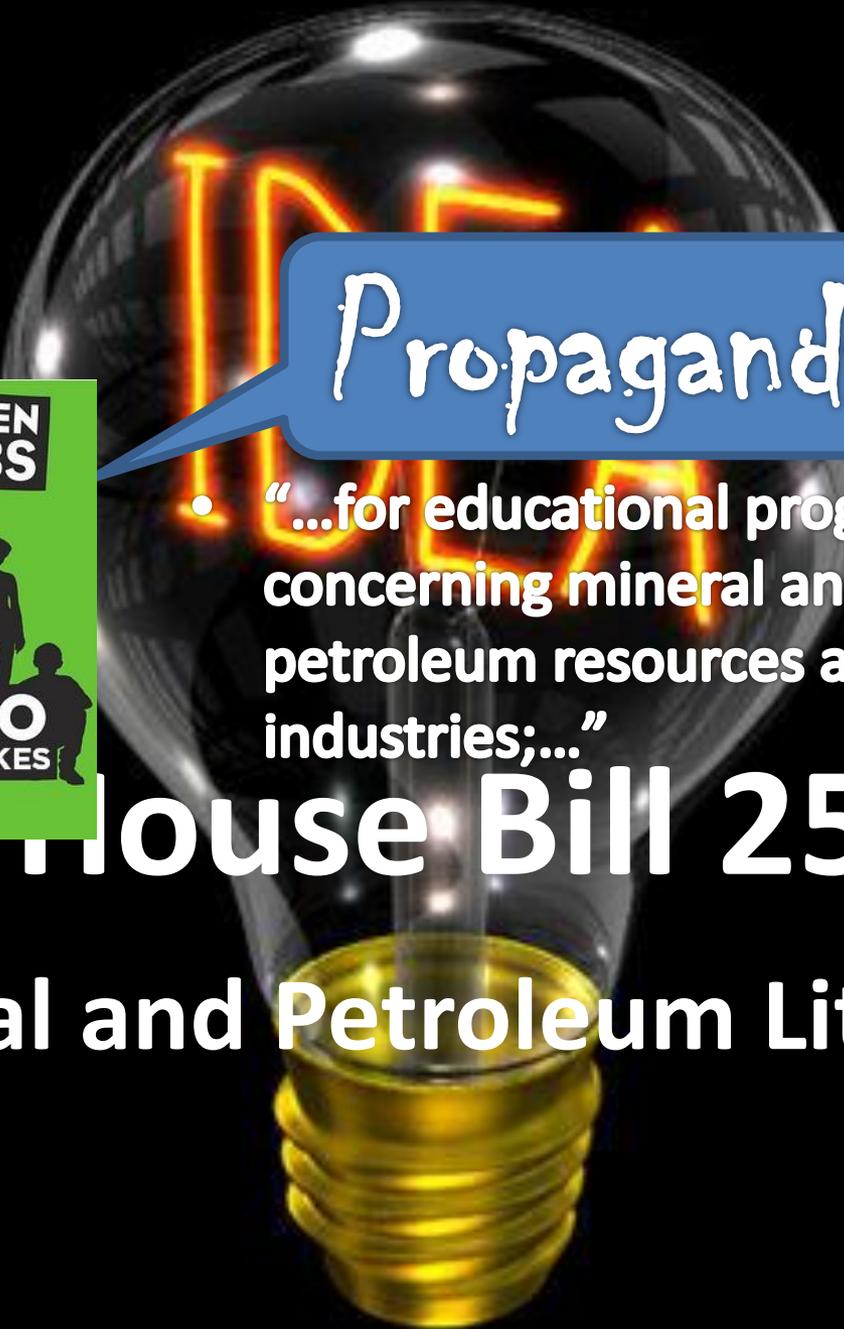
Reclamation?

Pollution

**Not in my
backyard!**

We don't
need no
stinkin' oil!



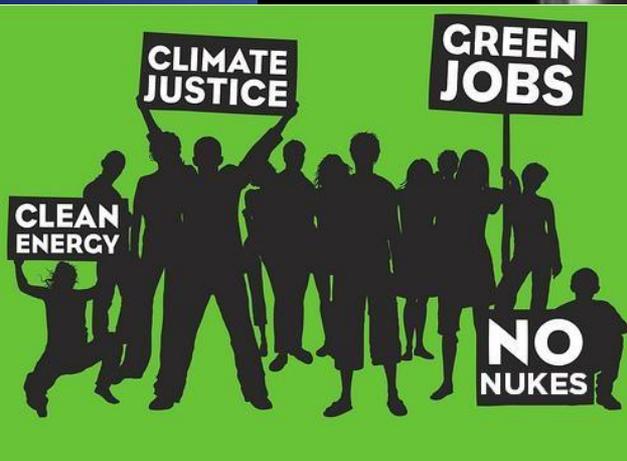


Propaganda!

- “...for educational programs concerning mineral and petroleum resources and industries;...”

House Bill 25

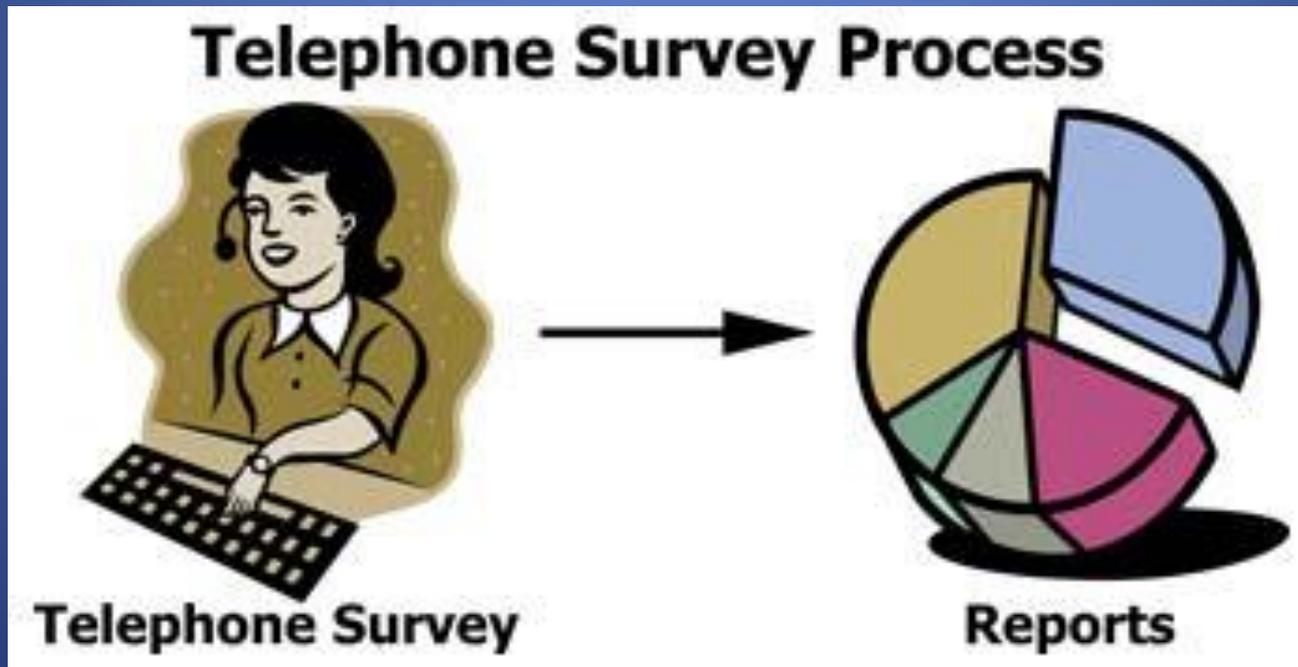
Mineral and Petroleum Literacy





SITLA (School and Institutional Trust Lands Administration)

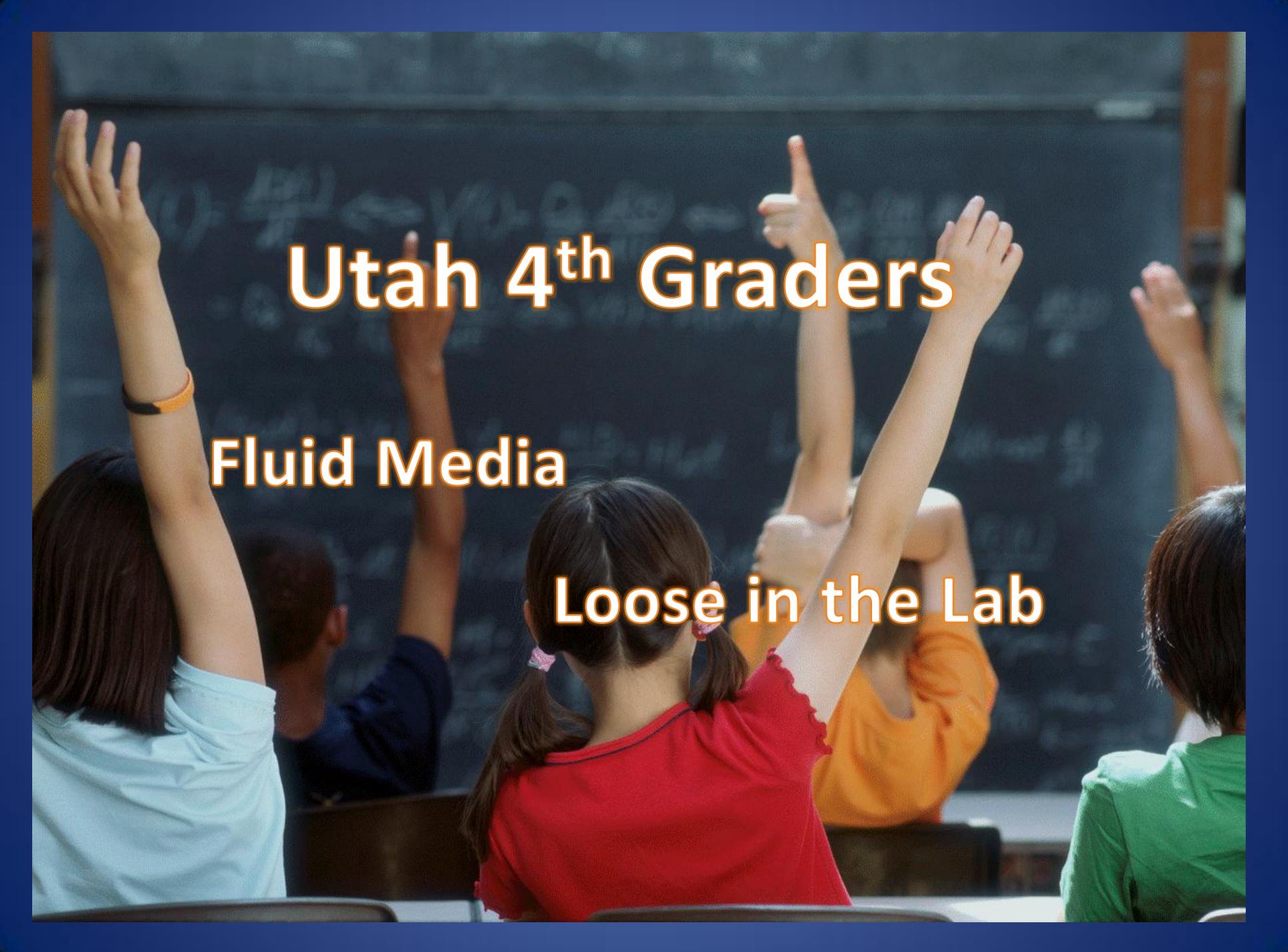
Dan Jones & Assoc.



SURVEY SAYS...

BALDO
GRACIE
TÍA CARMEN
SERGIO



A photograph of a classroom with several young students sitting at desks. They are all raising their hands, indicating they want to answer a question or participate. In the background, a chalkboard is visible with some faint, illegible writing. The overall atmosphere is one of active learning and engagement.

Utah 4th Graders

Fluid Media

Loose in the Lab

YOU'RE INVITED...

UTAH GEOLOGY
FOR KIDS

SCIENCE
— THAT —
ROCKS!



Objectives

Create an integrated, hands-on science unit that meets the standards and objectives set in state curricula.

- Learning and understanding the rock cycle
- Utah's geologic history
- Oil, Natural Gas and Mineral resources of the state
- How these resources impact our everyday lives

Program is focused on measurable results.

- Pre-test associated with each unit.
- Post-test part of each unit.
- Statewide testing conducted each spring provides data for class to class and/or school to school comparison.

8 Week Program – Three Units



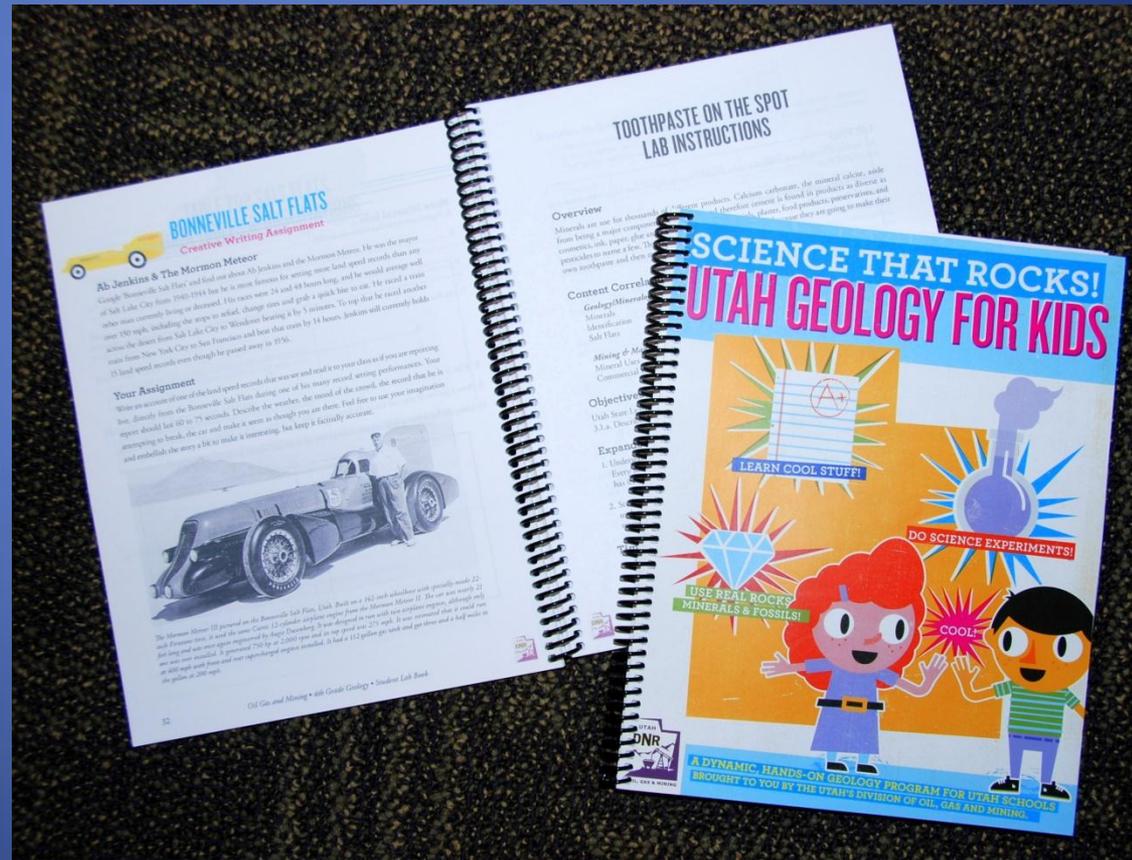
Minerals Lab

Rock Cycle

Fossils

Program Includes -

- Teacher Instruction
 - Four hour workshop
- Teacher Guidebook
 - 131 page guide with background on each unit, lab activities, handouts and lesson plans.



Classroom Science Kit

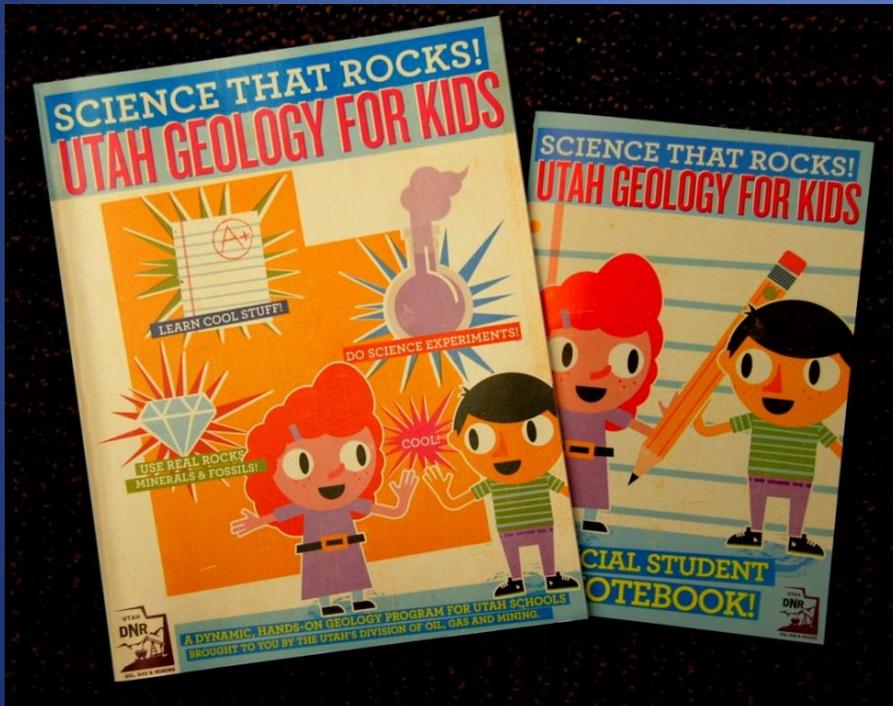
Kit containing mineral specimens and all materials necessary to conduct lab activities.

\$500



Student Lab Books

- 130 pages of material including writing activities, lab activities and personal application



www.utahgeologyschool.com

OGM | Science That Rocks! - Internet Explorer, optimized for Bing and MSN

http://www.utahgeologyschool.com/

Google how to take a screenshot

UTAH DNR OIL, GAS & MINING

Home Labs & Videos FAQ About the Speaker Find My Workshop Contact us!

Tweet 0

YOU'RE INVITED...
UTAH GEOLOGY
FOR KIDS — THAT — **ROCKS!**

Labs Written for Utah Geology

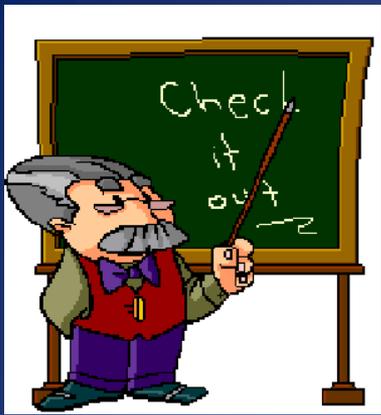
- 20 Hands-on lab activities matched to Utah's 4th grade geology standards.
- Every lab features minerals, rocks and fossils collected in Utah.
- Teacher-friendly, kid-tested lab activities that build vocabulary, incorporate hands-on learning and reinforce the science standards.
- Fully integrated lesson plans with math, creative writing, theatre, ethics and art incorporated into curriculum.

Done Internet | Protected Mode: Off 100%

Pilot Project Spring 2012



5 Districts
57 Classrooms



Teachers Say...

“Excited to go back to class and do these activities with my students.”

“I’m very grateful for this program. It makes science exciting again.”

“Outstanding, I’ll do a much better job teaching this now.”

“This is invaluable information for 4th grade core – BRAVO!”



FY 2012-13

138 Teachers

14 Districts



2000 Classrooms



10 – 20 Years!



Facebook

Twitter



Questions?

Jim Springer

Utah Division of Oil, Gas and Mining

jimspringer@utah.gov

(801) 538-5324