

RMOTC believes that there is great compatibility between enhanced oil recovery and CO<sub>2</sub> sequestration. There are political, economic, and environmental realities of integrating enhanced oil recovery with sequestration. Government agencies have agreed to fund this research but private industry has not followed.

Convince private industry to become investors in this type of project. Explain the high-pressure CO<sub>2</sub> injection/sequestration project and evaluate its feasibility. Investigate and identify appropriate geologic formations and well locations for sequestration. Present Thursday, October 9<sup>th</sup>.

*Oil, Upton Sinclair*

<p>LA</p> <p>Read Write Speak Persuade</p>	<p>SCI</p> <p>Combustion Properties of CO<sub>2</sub> Carbon sequestration Oil Chemistry, Geology Gas Laws Phase diagrams</p>	<p>SS</p> <p>Government agencies Legislative process State vs. Federal Split estate Eminent domain UN treaties</p>
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## **CO<sub>2</sub> Sequestration Standards 2008-09**

### **Language Arts**

#### **Reading (1)**

- Understanding of literacy text
  - Inferential comprehension (compare and contrast)
  - Author's intention
  - Predictions
- Variety of sources
- Understanding of informational resources

#### **Writing (2)**

- Bibliography
- Writing expressive pieces
- Writing w/ audience in mind
- Organization/focus

#### **Speaking & Listening (3)**

- Formal presentation
- Details to support ideas
- Group discussion
  - consider other's ideas before speaking
  - constructive criticism
  - lead, participate & moderate

### **Science**

#### **Structure and Properties of Matter: (1)**

- Atomic structure of matter
- Chemical Reactions

#### **Inquiry (2)**

- Research and present findings
- Use inquiry to conduct scientific investigations
- Communicate results of their work as well as information from other sources
- Investigate role of technological design in meeting human needs

#### **History and Nature of Science**

- Impact of science on decisions
- Historical misuse of scientific information to make decisions
- Interdisciplinary connections
- The role of science in solving personal, local, national and global problems
- Origins, limitations, and conservation of natural resources

### **Social Studies**

#### **Citizenship, government and democracy (1)**

- Freedoms, rights and responsibilities in a democratic society
- The distinguishing characteristics of the US constitution

#### **Production, Distribution and Consumption (3)**

- Formulate solutions to economic problems

#### **Time, Continuity and Change: (4)**

- Students evaluate the impact of technology and how it has shaped history and influenced the modern world.