



LA

Read  
Write  
Speak  
Persuade

SCI

Combustion  
Coal Gasification  
Carbon sequestration  
Coal Chemistry

SS

Government agencies  
Legislative process  
State vs. Federal  
Split estate  
Eminent domain

## **Clean Coal Standards 2007-08**

### **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.