



Satellite Meteorology for Grades 7-12

<http://cimss.ssec.wisc.edu/satmet/>

National Science Education Content Standards Addressed

Grades 5-8 Content Standards

A) Science as Inquiry

- ✓Abilities necessary to do scientific inquiry

B) Physical Science

- ✓Transfer of energy

E) Science and Technology

- ✓Abilities of technological design
- ✓Understanding about science and technology

F) Science in Personal and Social Perspectives (Std F)

- ✓ Populations, resources, and environments
- ✓ Natural hazards
- ✓ Science and technology in society

G) History and Nature of Science (Std G)

- ✓ Science as a human endeavor
- ✓ Nature of science
- ✓ History of science

Unifying Concepts and Processes

- ✓ Understanding and abilities aligned with the Constancy, change, and measurement

Grades 9-12 Content Standards

A) Science as Inquiry

- ✓Abilities necessary to do scientific inquiry

B) Physical Science

- ✓Structure and properties of matter
- ✓Motions and forces
- ✓Interactions of energy and matter

D) Earth and Space Science

- ✓Energy in the earth system

E) Science and Technology

- ✓Abilities of technological design
- ✓Understanding about science and technology

F) Science in Personal and Social Perspectives

- ✓Population growth
- ✓Natural resources
- ✓Environmental quality
- ✓Natural and human-induced hazards
- ✓Science and technology in local, national, and global challenges

G) History and Nature of Science

- ✓ Science as a human endeavor
- ✓ Nature of scientific knowledge
- ✓ Historical perspectives

Unifying Concepts and Processes

- ✓ Understanding and abilities aligned with constancy, change, and measurement

The National Science Education Standards: <http://www.nap.edu/readingroom/books/nses/>