

## **National Science Education Standards (NSES) Checklist for Content Standards Grades 5-8**

### **Science as Inquiry - CONTENT STANDARD A:**

As a result of activities in grades 5-8, all students should develop

- Abilities necessary to do scientific inquiry
- Understandings about scientific inquiry

### **Physical Science - CONTENT STANDARD B:**

As a result of their activities in grades 5-8, all students should develop an understanding of

- Properties and changes of properties in matter
- Motions and forces
- Transfer of energy

### **Life Science - CONTENT STANDARD C:**

As a result of their activities in grades 5-8, all students should develop understanding of

- Structure and function in living systems
- Reproduction and heredity
- Regulation and behavior
- Populations and ecosystems
- Diversity and adaptations of organisms

### **Earth and Space Science - CONTENT STANDARD D:**

As a result of their activities in grades 5-8, all students should develop an understanding of

- Structure of the earth system
- Earth's history
- Earth in the solar system

### **Science and Technology - CONTENT STANDARD E:**

As a result of activities in grades 5-8, all students should develop

- Abilities of technological design
- Understandings about science and technology

### **Science in Personal and Social Perspectives - CONTENT STANDARD F:**

As a result of activities in grades 5-8, all students should develop understanding of

- Personal health
- Populations, resources, and environments
- Natural hazards
- Risks and benefits
- Science and technology in society

### **History and Nature of Science -CONTENT STANDARD G:**

As a result of activities in grades 5-8, all students should develop understanding of

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

**For a complete description of each Content Standard, see:**

<http://books.nap.edu/html/nses/html/overview.html#content>