

Core Knowledge®   
National Conference 2009

**Top-Priority Unit Topics ~ Middle School Science**

Units on the following topics will receive the highest priority as we select from among submissions for the “Share the Knowledge” sessions to be given during the 2009 Core Knowledge National Conference.

To read this list, look at topic headings below, then refer to the *Core Knowledge Sequence* for more specific content within that topic. Note: The items listed are identical to the lettering and numbering of the *Sequence*. Gaps in lettering and numbering are intentional.

In addition to the topics listed below, preference will be given to instructional units that incorporate ideas such as:  
\*any topics listed below

Finally, note that submitting a unit on these topics does not guarantee acceptance as we have a limited number of presentation spaces available. *However, high-quality, **completed units** will receive the highest priority among proposals.*

Grade 6

- I. Plate Tectonics
- III. Astronomy: Gravity, Stars, and Galaxies
- IV. Energy, Heat, and Energy Transfer
  - C. Physical Change: Energy Transfer
- V. Human Body
- VI. Science Biographies

Grade 7

- I. Atomic Structure
- II. Chemical Bonds and Reactions
- IV. History of the Earth and Life Forms
  - A. Paleontology
  - B. Geologic Time
- V. Evolution
  - B. Natural Selection
  - C. Extinction and Speciation

VI. Science Biographies

Grade 8

- I. Physics
  - A. Motion
  - B. Forces
  - C. Density and Buoyancy
  - D. Work
  - E. Energy
  - F. Power
- II. Electricity and Magnetism
- III. Electromagnetic Radiation and Light
- IV. Sound Waves
- VI. Science Biographies