

Core Knowledge®

National Conference 2008

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 2008 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:

- * methods for integrating the content into the “literacy block”
- * integration across the content areas
- * instructional strategies that include technology
- * addressing the needs of a variety of learners, including: ESL, GT, Special Education, etc.

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