<table>
<thead>
<tr>
<th>National Science Education Content Standards</th>
<th>EarthComm Modules / Chapters</th>
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<td>Earth's Dynamic Geosphere</td>
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### UNIFYING CONCEPTS AND PROCESSES

- Systems, order & organization
- Evidence, models, & explanation
- Constancy, change, & measurement
- Evolution & equilibrium
- Form & function

### SCIENCE AS INQUIRY

- Identify questions & concepts that guide scientific investigations
- Design & conduct scientific investigations
- Use technology & mathematics to improve investigations
- Formulate & revise scientific explanations & models using logic and evidence
- Communicate & defend a scientific argument
- Understand scientific inquiry

### EARTH AND SPACE SCIENCE

- Energy in the Earth system
- Geochemical cycles
- Origin and evolution of the Earth system
- Origin and evolution of the universe

### SCIENCE AND TECHNOLOGY

- Identify a problem or design an opportunity
- Propose designs and choose between alternative solutions
- Implement a proposed solution
- Evaluate the solution and its consequences
- Communicate the problem, process, and solution
- Understand science & technology

### SCIENCE IN PERSONAL & SOCIAL PERSPECTIVES

- Personal & community health
- Population growth
- Natural Resources
- Environmental quality
- Natural & human-induced hazards
- Science & technology in local, national, and global challenges

### HISTORY AND NATURE OF SCIENCE

- Science as a Human Endeavor
- Nature of Scientific Knowledge
- Historical Perspectives