



Benchmarks On Disk See Also

Benchmarks on Disk

Benchmarks for Science Literacy

Chapter 4: The Physical Setting Page 71
Section C: Processes That Shape the Earth

4C Processes that Shape the Earth

Students should learn what causes earthquakes, volcanos, and floods and how those events shape the surface of the earth. Students, however, may show more interest in the phenomena than in the role the phenomena play in sculpting the earth. So teachers should start with students' immediate interests and work toward the science. Students may find it harder to take seriously the less-obvious, less-dramatic, long-term effects of erosion by wind and water, annual deposits of sediment, the creep of continents, and the rise of mountains. Students' recognition of those effects will depend on an improving sense of long time periods and familiarity with the effect of multiplying tiny fractions by very large numbers.

Students can start in the early grades with the following benchmarks:

See Also:

- 5E FLOW OF MATTER AND ENERGY
- 5F EVOLUTION OF LIFE (fossils)
- 8A AGRICULTURE
- 10D EXTENDING TIME (history of the earth)
- 10E MOVING THE CONTINENTS
- 11A SYSTEMS
- 11C CONSTANCY AND CHANGE

Previous Page Next Page