

Earth Science Unit Organizer
For ICPE

TOPICS:

1. Earth's Interior: seismic waves, plate tectonics, folds, faults, boundaries
2. Earthquakes and Volcanoes
3. Astronomy: Earth, moon and seasons, planets, sun, stars and constellations

STATE STANDARDS:

- Standard 4.1 Students know and understand the composition of Earth, its history, and the natural processes that shape it.
- Standard 4.3 Students know major sources of water, its uses, importance, and cyclic patterns of movement through the environment.
- Standard 4.4 Students know the structure of the solar system, composition and interactions of objects in the universe, and how space is explored.
- Standard 5 Students know and understand interrelationships among science, technology, and human activity and how they can affect the world.

HABITS OF MIND:

- IA. Know why curiosity, honesty, openness, and skepticism are so highly regarded in science and how they are incorporated into the way science is carried out; exhibit those traits in their own lives, and value them in others.
- IIA. Use ratios and proportions, including constant rates, in appropriate problems.
- IIF. Express and compare very small and very large numbers using powers of ten notation.
- IVA. Make and interpret scale drawings.