

New 2016 Grade 7 & 8 Curriculum Correlations for *MineralsEd Earth Sciences Resource Unit*

Grade 7 Science

Big Ideas

The theory of evolution by natural selection provides an explanation for the diversity and survival of living things.

Elements consist of one type of atom, and compounds consist of atoms of different elements chemically combined.

The electromagnetic force produces both electricity and magnetism.

Earth and its climate have changed over geological time.

Content

- elements and compounds are substances
- chemical changes
- crystalline structure of solids

Content

- fossil records and geological dating
- evidence of climate change over geological time and the recent impacts of humans

Grade 8 Science

Big Ideas

Cells are a basic unit of life.

The kinetic molecular theory and the theory of the atom explain the behaviour of matter.

Energy can be transferred as both a particle and a wave.

The theory of plate tectonics is the unifying theory that explains Earth's geological processes.

Content

- plate tectonic movement
- major geological events of local significance
- layers in Earth