



# Priority Standards

## Advanced Geoscience - Litho - Grade11

### Geoscience Academy

Below is a table of the priority standards.

Priority Standards	Description
1.1	That atoms are the basic building block of all matter.
1.2	Constructive and destructive processes, including weathering, erosion, and deposition dynamically reshape the surface of the earth.
1.3	Minerals are naturally occurring, inorganic solids, with a definite composition and a crystalline structure.
1.4	All rocks on earth are created through the rock cycle.
1.5	Geologic laws are based on the idea that the earth's processes have remained unchanged for billions of years.
2.1	The shape and geology of the continents suggests they were once joined together.
2.2	Discuss & explain the flow of energy through the earth, including the sources of the energy that drives earth's atmosphere, biosphere, hydrosphere, and geosphere.
2.3	Describe dynamic earth processes and investigate their local/regional occurrences. Evaluate the implications of these processes on the future of earth.
3.1	Scientists organize geologic time in eons, eras, periods, and epochs.
3.2	Scientists use geologic principles to learn the sequence in which geologic events occurred.
3.3	Fossils provide scientists with a record of the history of life on earth.
4.1	Be introduced to Global Information System (GIS) and its purpose.
4.2	Investigate GIS techniques and skills.