



Priority Standards

Advanced Geoscience - Hydro – Grade 11

Geoscience Academy

Below is a table of the priority standards.

Priority Standards	Description
1.1	Investigate the water cycle and communicate an understanding of the movement of water through the water cycle.
1.2	Discover that all land drains into a watershed.
1.3	Explore components of freshwater systems.
1.4	Investigate running water is an agent of erosion, shaping the face of the earth.
1.5	Understand the human impact on watershed and freshwater environments.
2.1	Compare and contrast early and modern oceanic exploration.
2.2	Describe the physical and chemical properties of water.
2.3	Understands waves have energy and can transfer energy when they interact with matter.
2.4	The ultimate source of atmospheric and oceanic energy comes from the sun.
2.5	Describes the primary physiographic features of the ocean basins and continental margins.
2.6	Understands human beings live in and impact ecosystems.
2.7	Understands progress in science and technology can be affected by social issues and challenges.
3.1	Develop an understanding of the characteristics, structure, and processes of the atmosphere.
3.2	Interpret current weather maps including broad-based air pressure, wind, cloud and temperature patterns.
3.3	Distinguish between the various severe weather phenomena and appropriate advisories, watches and warnings issued by the National Weather Service.
3.4	Identify various weather instruments and instrument platforms currently used to monitor weather and measure atmospheric properties.
4.1	Be introduced to Global Information System (GIS) and its purpose.
4.2	Investigate GIS techniques and skills.