

# Illinois Learning Standards & Assessment Frameworks

Grade level: High School

Illinois Learning Standards:

12.E.5 Analyze the processes involved in naturally occurring short-term and long-term Earth events (e.g., floods, ice ages, temperature, sea-level fluctuations).

Assessment Frameworks:

Standard 12 E- Earth Science

The Earth's Dynamic Processes:

12.11.95 Understand that weather (over a short time) and climate (over a long time) result from the transfer of energy and water in and out of the atmosphere. Understand the effect on climate of latitude, elevation, topography (especially the presence of mountains and valleys), and proximity to large bodies of water, and cold or warm ocean currents.

Water:

12.11.100 Understand that a water table marks the top of the zone of saturation of subsurface materials.

12.11.101 Understand at which places in a river or stream one is likely to find a build up of sediment. Understand why sediments of certain sizes build up in different locations in a stream and how this can alter its course over time. Understand how these processes can, over the course of time, change the location of rivers and streams (e.g., meanders).