

# NGSS Crosscutting Concepts



**Patterns** ... regularly occurring shapes or structures, in repeating events and relationships, etc.

**Cause and Effect**... one event/ stimulus triggers another event/ consequence/ outcome.

**Structure and Function**... the shape and/or design of things, systems, body parts, etc. is specific to or dictates its function or job.

**Scale, Proportion & Quantity**... concepts and systems can be viewed in terms of scale and magnitude, and in relation to one another.

**Systems and Systems Models**... parts work together make a system and a system will perform a task.

**Energy and Matter**... energy and matter cannot be created or destroyed; it cycles and changes form.

**Stability and Change**... the natural world in a constant flux between things staying the same (stability) and things changing.