Indiana Matrix of Crosscutting Concepts

Grades K, 1, 2

Adopted 2022

Patterns CC.1	1. **Patterns in the natural and human designed world can be observed, used to describe phenomena, and used as evidence.** K2.CC.1.1
Cause and Effect: Mechanism and Prediction CC.2	1. **Events have causes that generate observable patterns.** K2.CC.2.1 2. **Simple tests can be designed to gather evidence to support or refute student ideas about causes.** K2.CC.2.2
Scale, Proportion, and Quantity CC.3	1. **Relative scales allow objects and events to be compared and described (e.g., bigger and smaller; hotter and colder; faster and slower).** K2.CC.3.1 2. **Standard units are used to measure length.** K2.CC.3.2
Systems and System Models CC.4	1. **Objects and organisms can be described in terms of their parts.** K2.CC.4.1 2. **Systems in the natural and designed world have parts that work together.** K2.CC.4.2
Energy and Matter: Flows, Cycles, and Conservation CC.5	1. **Objects may break into smaller pieces, be put together into larger pieces, or change shapes.** K2.CC.5.1
Structure and Function CC.6	1. **The shape and stability of structures of natural and designed objects are related to their function(s).** K2.CC.6.1
Stability and Chance CC.7	1. **Some things stay the same while other things change.** K2.CC.7.1 2. **Things may change slowly or rapidly.** K2.CC.7.2