

All Grades

CC Patterns [CCP1](#)

A Observed patterns in nature guide organization and classification and prompt questions about relationships and causes underlying them [CCP1A](#)

CC Cause and Effect [CCCE2](#)

A Events have causes, sometimes simple, sometimes multifaceted. Deciphering causal relationships, and the mechanisms by which they are mediated, is a major activity of science and engineering. [CCCE2A](#)

CC Scale, Proportion, and Quantity [CCSPQ3](#)

A In considering phenomena, it is critical to recognize what is relevant at different size, time, and energy scales, and to recognize proportional relationships between different quantities as scales change. [CCSPQ3A](#)

CC System and Systems Models [CCSSM4](#)

A A system is an organized group of related objects or components; models can be used for understanding and predicting the behavior of systems. [CCSSM4A](#)

CC Energy and Matter [CCEM5](#)

A Tracking energy and matter flows, into, out of, and within systems helps one understand their system's behavior. [CCEM5A](#)

CC Structure and Function [CCSF6](#)

A The way an object is shaped or structured determines many of its properties and functions. [CCSF6A](#)

CC Stability and Change [CCSC7](#)

A For both designed and natural systems, conditions that affect stability and factors that control rates of change are critical elements to consider and understand. [CCSC7A](#)