

Grades 3, 4, 5

Adopted 2022

Patterns CC.1

1. Similarities and differences in patterns can be used to sort, classify, communicate, and analyze simple rates of change for natural phenomena and designed products. 35.CC.1.1
2. Patterns of change can be used to make predictions. 35.CC.1.2
3. Patterns can be used as evidence to support an explanation. 35.CC.1.3

Cause and Effect: Mechanism and Prediction CC.2

1. Similarities and differences in patterns can be used to sort, classify, communicate, and analyze simple rates of change for natural phenomena and designed products. 35.CC.2.1
2. Patterns of change can be used to make predictions. 35.CC.2.2
3. Patterns can be used as evidence to support an explanation. 35.CC.2.3

Scale, Proportion, and Quantity CC.3

1. Natural objects and/or observable phenomena exist from the very small to the immensely large or from very short to very long time periods. 35.CC.3.1
2. Standard units are used to measure and describe physical quantities such as weight, time, temperature, and volume. 35.CC.3.2

Systems and System Models CC.4

1. A system is a group of related parts that make up a whole and can carry out functions its individual parts cannot. 35.CC.4.1
2. A system can be described in terms of its components and their interactions. 35.CC.4.2

Energy and Matter: Flows, Cycles, and Conservation CC.5

1. Matter is made of particles. 35.CC.5.1
2. Matter flows and cycles can be tracked in terms of the weight of the substances before and after a process occurs. The total weight of the substances does not change. This is what is meant by conservation of matter. Matter is transported into, out of, and within systems. 35.CC.5.2
3. Energy can be transferred in various ways and between objects. 35.CC.5.3

**Structure and
Function** CC.6

1. Different materials have different substructures, which can sometimes be observed. 35.CC.6.1

2. Substructures have shapes and parts that serve functions. 35.CC.6.2

**Stability and
Change** CC.7

1. Change is measured in terms of differences over time and may occur at different rates. 35.CC.7.1

2. Some systems appear stable, but over long periods of time will eventually change. 35.CC.7.2