

## **Units covered in order from September 2019 through March 13, 2020**

### **Life Processes & Cellular Organization**

#### **LS.3, LS.1**

- Characteristics of life
- Cells, tissues, organs, and systems
- Patterns of cellular organization and their relationship to life processes in living things
- Science process skills (*infused*)

### **Cell Structure & Function**

#### **LS.2a-c, LS.1**

- Cell structure and function
- Compare/contrast plant/animal cells
- Development of cell theory
- Science process skills (*infused*)

### **Photosynthesis**

#### **LS.5a-b, LS.1**

- Energy transfer between sunlight and chlorophyll
- Transformation of water and carbon dioxide into sugar and oxygen
- Science process skills (*infused*)

### **Classification of Living Things**

#### **LS.4, LS.1**

- Characteristics of domains of organisms
- Characteristics of kingdoms of organisms
- Characteristics of major animal phyla and plant divisions
- Characteristics that define a species
- Science process skills (*infused*)

### **DNA & Heredity**

#### **LS.12, LS.1**

- Structure and role of DNA
- Function of genes and chromosomes
- Sex cell production (meiosis)
- Genotypes and phenotypes
- Characteristics that can and cannot be inherited
- Genetic engineering and its applications
- Historical contributions and significance of discoveries related to genetics
- Science process skills (*infused*)

## **Cell Growth & Reproduction**

### **LS.2d**

- Cell division (somatic cell)
- Science process skills (*infused*)

## **Evolution & Genetic Variation (2 weeks)**

### **LS.13, LS.1**

- Evidence of evolution