

**Disciplinary Core Ideas**

***Earth and Space Sciences***

**ESS1— Earth’s Place in the Universe**

*What is the universe, and what is Earth’s place in it?*

**ESS1.A: THE UNIVERSE AND ITS STARS:** *What is the universe, and what goes on in stars?*

**ESS1.B: EARTH AND THE SOLAR SYSTEM:** *What is the universe, and what goes on in stars?*

**ESS1.C: THE HISTORY OF PLANET EARTH:** *How do people reconstruct and date events in Earth’s planetary history?*

**ESS2—Earth’s Systems**

*How and why is Earth constantly changing?*

**ESS2.A: EARTH MATERIALS AND SYSTEMS:** *How do Earth’s major systems interact?*

**ESS2.B: PLATE TECTONICS AND LARGE-SCALE SYSTEM INTERACTIONS:** *Why do the continents move, and what causes earthquakes and volcanoes?*

**ESS2.C: THE ROLES OF WATER IN EARTH’S SURFACE PROCESSES:** *How do the properties and movements of water shape Earth’s surface and affect its systems?*

**ESS2.D: WEATHER AND CLIMATE**: *What regulates weather and climate?*

**ESS2.E: BIOGEOLOGY:** *How do living organisms alter Earth’s processes and structures*?

**ESS3—Earth and Human Activity**

*How do Earth’s surface processes and human activities affect each other?*

**ESS3.A: NATURAL RESOURCES:** *How do humans depend on Earth’s resources?*

**ESS3.B: NATURAL HAZARDS:** *How do natural hazards affect individuals and societies?*

**ESS3.C: HUMAN IMPACTS ON EARTH SYSTEMS:** *How do humans change the planet?*

**ESS3.D: GLOBAL CLIMATE CHANGE:** *How do people model and predict the effects of human activities on Earth’s climate?*