# Disciplinary Core Ideas (DCIs)

| Physical Sciences (PS) | Life Sciences (LS) | Environmental Sciences |
|---|---|---|
| PS1: Matter and Its Interactions<br><br>PS2: Motion and Stability: Forces and Interactions<br><br>PS3: Energy<br><br>PS4: Waves and Their Applications in Technologies for Information Transfer | LS1: From Molecules to Organisms: Structures and Processes<br><br>LS2: Ecosystems: Interactions, Energy, and Dynamics<br><br>LS3: Heredity: Inheritance and Variation of Traits<br><br>LS4: Biological Evolution: Unity and Diversity | EVS1: Resources and Resource Management<br><br>EVS2: Environmental Awareness and Protection<br><br>EVS3:Personal Responsibilities |
| **Earth & Space Sciences (ESS)** | **Engineering & Technology (ETS)** | |
| ESS1: Earth's Place in the Universe<br><br>ESS2: Earth's Systems<br><br>ESS3: Earth and Human Activity | ETS1: Engineering Design<br><br>ETS2: Links Among Engineering, Technology, Science, and Society | |

National Research Council (2012). *A framework for K-12 science education: Practices, crosscutting concepts, and core ideas.* Washington DC: The National Academies Press