









# Disciplinary Core Ideas




## Life Science

-  **From molecules to organisms: Structures and processes**
-  **Ecosystems: Interactions, energy, and dynamics**
-  **Heredity: Inheritance and variation of traits**
-  **Biological evolution: Unity and diversity**

## Physical Science

-  **Matter and its interactions**
-  **Motion and stability: Forces and interactions**
-  **Energy**
-  **Waves and their applications in technologies for information transfer**

## Earth & Space Science

-  **Earth's place in the universe**
-  **Earth's systems**
-  **Earth and human activity**

-  **Engineering, Technology, and the Application of Science**