

Life Science	Earth & Space Science	Physical Science	Engineering & Technology
<p><b>LS1: From Molecules to Organisms: Structures and Processes</b>            LS1.A: Structure and Function            LS1.B: Growth and Development of Organisms            LS1.C: Organization for Matter and Energy Flow in Organisms            LS1.D: Information Processing</p> <p><b>LS2: Ecosystems: Interactions, Energy, and Dynamics</b>            LS2.A: Interdependent Relationships in Ecosystems            LS2.B: Cycles of Matter and energy Transfer in Ecosystems            LS2.C: Ecosystem Dynamics, Functioning, and Resilience            LS2.D: Social Interactions and Group Behavior</p> <p><b>LS3: Heredity: Inheritance and Variation of Traits</b>            LS3.A: Inheritance of Traits            LS3.B: Variation of Traits</p> <p><b>LS4: Biological Evolution: Unity and Diversity</b>            LS4.A: Evidence of Common Ancestry and Diversity            LS4.B: Natural Selection            LS4.C: Adaptation            LS4.D: Biodiversity and Humans</p>	<p><b>ESS1: Earth’s Place in the Universe</b>            ESS1.A: The Universe and Its Stars            ESS1.B: Earth and the Solar System            ESS1.C: The History of Planet Earth</p> <p><b>ESS2: Earth’s Systems</b>            ESS2.A: Earth Materials and Systems            ESS2.B: Plate Tectonics and Large-Scale System Interactions            ESS2.C: The Roles of Water in Earth’s Surface Processes            ESS2.D: Weather and Climate            ESS2.E: Biogeology</p> <p><b>ESS3: Earth and Human Activity</b>            ESS3.A: Natural Resources            ESS3.B: Natural Hazards            ESS3.C: Human Impacts on Earth Systems            ESS3.D: Global Climate Change</p>	<p><b>PS1: Matter and Its Interactions</b>            PS1.A: Structure and Properties of Matter            PS1.B: Chemical Reactions            PS1.C: Nuclear Processes</p> <p><b>PS2: Motion and Stability: Forces and Interactions</b>            PS2.A: Forces and Motion            PS2.B: Types of Interactions            PS2.C: Stability and Instability in Physical Systems</p> <p><b>PS3: Energy</b>            PS3.A: Definitions of Energy            PS3.B: Conservation of Energy and Energy Transfer            PS3.C: Relationship Between Energy and Forces            PS3.D: Energy in Chemical Processes and Everyday Life</p> <p><b>PS4: Waves and Their Applications in Technologies for Information Transfer</b>            PS4.A: Wave Properties            PS4.B: Electromagnetic Radiation            PS4.C: Information Technologies and Instrumentation</p>	<p><b>ETS1: Engineering Design</b>            ETS1.A: Defining and Delimiting an Engineering Problem            ETS1.B: Developing Possible Solutions            ETS1.C: Optimizing the Design Solution</p> <p><b>ETS2: Links Among Engineering, Technology, Science, and Society</b>            ETS2.A: Interdependence of Science, Engineering, and Technology            ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><i>Note: In NGSS, the core ideas for Engineering, Technology, and the Application of Science are integrated with the Life Science, Earth &amp; Space Science, and Physical Science core ideas</i></p>