



The SpaceOLÉ curriculum correlates with the National Science Education Standards and the Florida Sunshine State Science Standards assessed by the Florida Comprehensive Assessment Test (FCAT). For your reference, the standards are listed below, and can be used in your lesson plans in correlation with your district's curriculum.

National Science Education Standards, Grades 9–12
<p>Content Standard D: Earth and Space Science D1: Energy in the Earth System D2: Geochemical Cycles D3: Origin and Evolution of the Earth System D4: Origin and Evolution of the Universe</p>
<p>Content Standard E: Science and Technology E1: Abilities of Technological Design</p>
<p>Content Standard F: Science in Personal and Social Perspective F1: Personal and Community Health F3: Natural Resources F4: Environmental quality F5: Natural and Human-Induced Hazards F6: Science and Technology in Local, National, and Global Challenges</p>

Florida Sunshine State Standards, Grades 9–12
Strand B: Energy
<p>Standard 1 (SC.B.1.4.1): Knowledge of energy is fundamental to all the scientific disciplines. (SC.B.1.4.5): Each source of energy represents advantages and disadvantages to its use in society.</p>
Strand C: Forces and Motion
<p>Standard 1 (SC.C.1.4.1): Motion is relative to whatever frame of reference is chosen and there is no absolute frame of reference from which to observe all motion.</p>
Strand D: Processes that Shape the Earth
<p>Standard 1 (SC.D.1.4.1): Climatic patterns on Earth result from an interplay of many factors. (SC.D.1.4.2): The solid crust of the Earth consists of slow moving, separate plates that float on a denser, molten layer and these plates interact with each other, changing the earth's surface.</p> <p>Standard 2 (SC.D.2.4.1): Understands the interconnectedness of the systems on Earth and the quality of life.</p>



Strand E: Earth and Space

Standard 1

(SC.E.1.4.1): Understands the relationships between events on Earth and the movements of the Earth, its moon, the other planets and the sun.

(SC.E.1.4.2): Knows how the characteristics of other planets and satellites are similar to and different from those on earth.

(SC.E.1.4.3): Knows the various reasons the Earth is the only planet in our solar system that appears to be capable of supporting life.

Standard 2

(SC.E.2.4.3): Knows astronomical distance and time.

(SC.E.2.4.6): Knows the various ways in which scientists collect and generate data about the universe.

(SC.E.2.4.7): Knows Mathematical models and computer simulations are used in studying evidence from many sources to form a scientific account of the universe.

Strand F: Processes of Life

Standard 1

(SC.F.1.4.1) Knows that the body processes involve specific biochemical reactions are governed by biochemical principles.

Strand G: How Living Things Interact with Their Environment

Standard 1

(SC.G.1.4.1) Knows of the great diversity and interdependence of living things.

SC.G.1.4.2 Understands how the flow of energy through an ecosystem made up of producers, consumers, and decomposers carries out the process of life and the some energy dissipates as heat and is not recycled.

Standard 2

(SC.G.2.4.4) Knows that the world ecosystems are shaped by physical factors that limit their productivity.

SC.G.2.4.6 Knows the ways in which humans today are placing their environmental support systems at risk.

Strand H: The Nature of Science

Standard 3

(SC.H.3.4.1) Knows that performance testing is often conducted using small-scale models, computer simulations, or analogous systems to reduce the chance of system failure.

(SC.H.3.4.2) Knows that technological problems often create a demand for new scientific knowledge