

## LCCS 6th Grade Science Curriculum Overview

Month	Unit
September- December	Unit 1: Space Science
January -March	Unit 2: Geosphere (History of Earth, Earth Systems)
March-May	Unit 3: Weather and Climate (Atmosphere / Hydrosphere)
June	Unit 4: Human Impacts (renewables)

### Unit 1:

**At a Glance:**

Students will review the scientific process and be introduced to measures of central tendency in order to effectively complete class activities and labs. Students will also explore the fundamentals of space science. Through hands-on activities, investigations, multimedia resources, and collaborative discussions, students will delve into various aspects of space, gravity, the cause of season, characteristics of celestial bodies, and space exploration. They will develop a deeper understanding of the scientific principles that govern space, as well as the technological advancements that have enabled human exploration of the cosmos.

**Timeline:**

~34 Days (September - December)

### Unit 2:

**At a Glance:**

Students will be introduced to topics such as states of matter, its states, atoms, types of rocks, the rock cycle, minerals, continental drift theory, plate tectonics, as well as types and characteristics of volcanoes. Students will explore these topics through creative projects and modeling activities as well as researching the mythological explanations of different cultures for events such as earthquakes and volcanoes. Students will be assessed on these topics through projects and tests.

**Timeline:**

~29 Days ( January- March)

### Unit 3:

**At a Glance:**

Students will be introduced to topics such as albedo, water cycle, water pollution, water management, atmospheric layers, solar radiation, cause for

regional temperatures, jet streams, weather and climate, air fronts, and high and low pressure systems. Students will explore these topics through designing solutions, modeling activities, as well as research. Students will be assessed on these topics through projects and tests.

**Timeline:**

~29 Days (March - May)

**Unit 4:**

**At a Glance:**

Students will be introduced to topics such as climate change, fossil fuels, renewable or nonrenewable, Students will explore these topics through data graphs, research, and projects. Students will be assessed on these topics through projects.

**Timeline:**

~7 Days (June )