

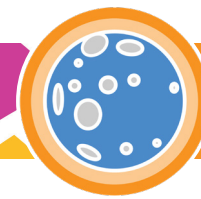
Moon Phases

A MyStemKits Curriculum Unit

Grades: 4-5

Subjects: *Science, Technology, Mathematics*

Strands: *Computer Science, Earth and Space Science, Geometry*



Moon Phases

A MyStemKits Curriculum Unit

Introduction

This curriculum is a comprehensive look at moon phases as covered in 4th and 5th grades.

Utilized 3D Kits

Moon Stages Kit



K-5
6-8

Science

This out-of-this-world kit provides students the perfect backdrop for exploring the science behind the phases of the moon by illustrating the locational relationships between the sun, earth, and moon.

1 Standards-Driven Lesson Plan

Moon Topography Kit



K-5
6-8
9-12

Science
Technology

A to-scale replica of Earth's moon, this detailed model is perfect for explorations of eclipses, orbits, and more.

3 Standards-Driven Lesson Plans

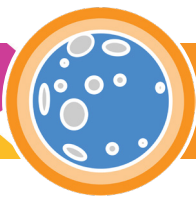
Color Key

All kits and lesson plans have been color-coded so you can more-easily find those relevant to you.

Mathematics

Interdisciplinary

Science



Lesson Plans: Fourth and Fifth Grades

Earth-Moon System Phase Cards

In this lesson, the first of four in an Earth-Moon system unit, students will use Moon Phase Cards to analyze the eight major divisions of the Moon's cycle and use a Moon model to analyze features found on the Moon.

Standards Addressed	
NGSS.5-ESS1-2	NGSS Science & Engineering Practices: 1, 2, 6, 7, 8 Florida Computer Science Standards: SC.35.CS-CS.1.2

Grades: 4, 5

Strands: Computer Science,
Earth and Space Science

3D Kits Utilized
Moon Topography Kit

Earth-Moon Systems in 3D

In this lesson, the second of four in an Earth-Moon system unit, students will use the Moon Stages Kit to model and explore the Moon's location relative to Earth and the Sun.

Standards Addressed	
NGSS.5-ESS1-2	NGSS Science & Engineering Practices: 1, 2, 6, 7, 8

Grades: 4, 5

Strands: Earth and Space Science

3D Kits Utilized
Moon Stages Kit

Earth-Moon System Animation

In this lesson, the second of four in an Earth-Moon system unit, students will use the Moon Stages Kit to model and explore the Moon's location relative to Earth and the Sun.

Standards Addressed	
CCSS.MATH.CONTENT.5.G.A.1 CCSS.MATH.CONTENT.5.G.1.2 CCSS.MATH.PRACTICES: 4 NGSS.5-ESS1-2	NGSS Science & Engineering Practices: 1, 2, 6, 7, 8 Florida Computer Science Standards: SC.35.CS-CP.2.2 SC.35.CS-CP.2.5 SC.35.CS-CP.3.2 SC.35.CS-CS.1.1 SC.35.CS-CS.1.2 SC.35.CS-CS.1.4

Grades: 4, 5

Strands: Computer Science,
Geometry

3D Kits Utilized
Moon Topography Kit

Earth-Moon System Writing

Grades: 4, 5

In this lesson, fourth of four in a unit on the Earth-Moon system, students will use their knowledge of the Moon, Earth and Sun system to develop a writing piece about the interactions that occur within the system and the ways that people have built models to help in the learning process of science.

Standards Addressed		3D Kits Utilized
NGSS.5-ESS1-2	NGSS Science & Engineering Practices: 1, 6, 7, 8	Moon Topography Kit

Strands: Earth and Space Science

