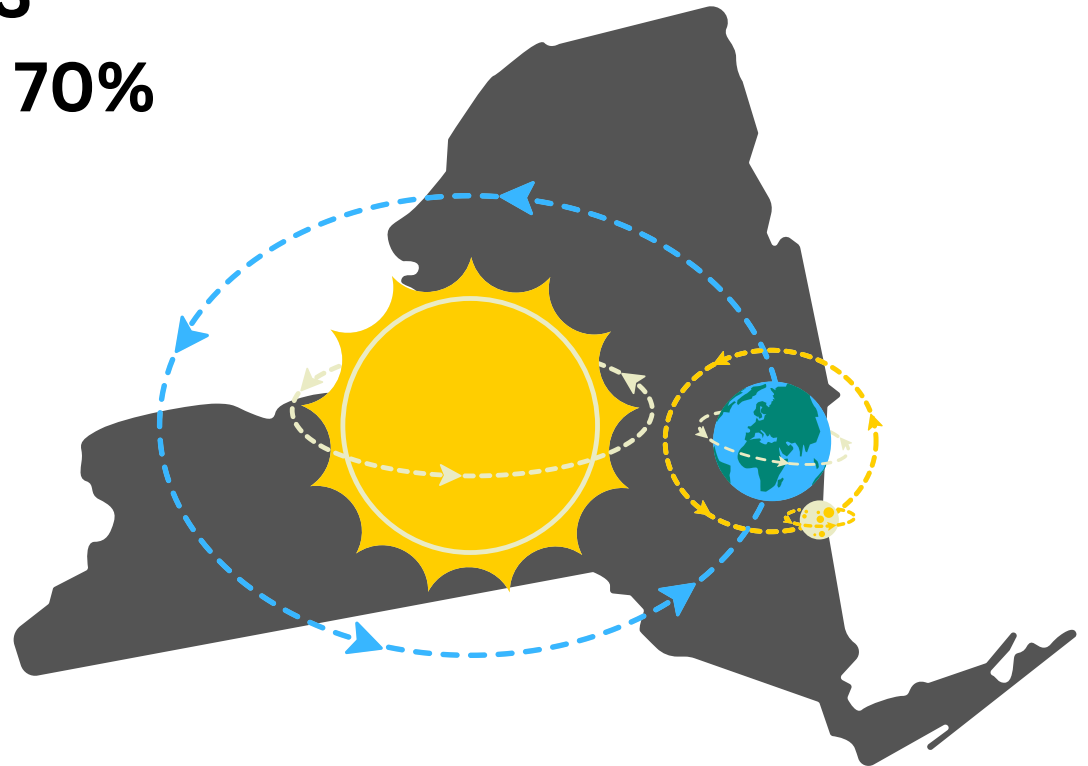


New York State P-12 Science Learning Standards (NYSSLs)

MS. Space Systems

- ✓ Complete Standard for New York Middle School - Space Systems Standard
- ✓ MS-ESS1-1, ESS1-2, ESS1-3
- ✓ The Bundle will SAVE you 70%



UPGRADE to the Bundle



This Bundle:

- Get immediate access to my **COMPLETE** New York State Middle School Curriculum
- Every standard covered at a **HUGE DISCOUNT**

New York Middle School Science Curriculum

New York State P-12 Science Learning Standards (NYSSLS)

- ✓ Standards are directly aligned to New York State Middle School Science Standards according to the New York State Education Department
- ✓ The Bundle will SAVE you 80%

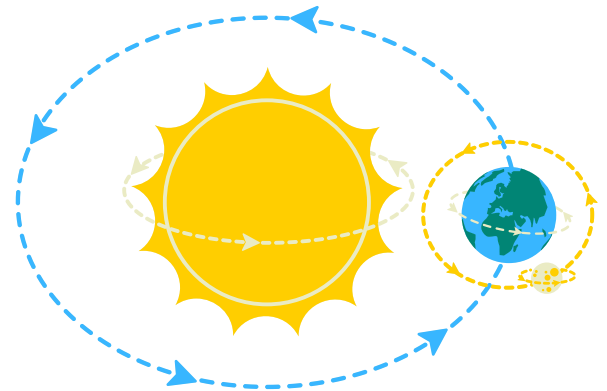


Click here to have a look

Resources Included

MS-ESS1-1

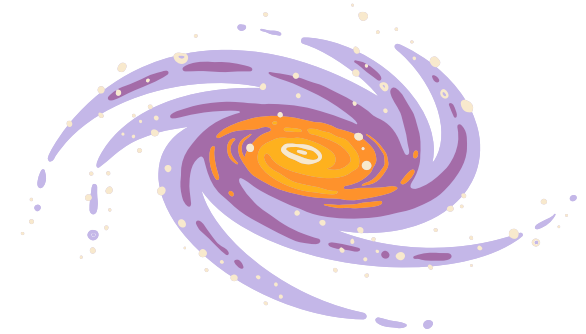
- The Moon – Lesson
- The Seasons - Lesson
- Eclipse - Scavenger Hunt
- The Seasons - Scavenger Hunt
- Earths Seasons - Lab Station Activity
- Eclipse - Solar and Lunar - Lab Station Activity
- The Moon and its Phases - Lab Station Activity
- Solar and Lunar Eclipses Digital INB
- The Seasons Digital INB
- Solar and Lunar Eclipses Reading
- Why Do We Need the Moon - Reading
- The Seasons - Reading
- Crash Course Video Worksheet - Moon Phases
- Crash Course Video Worksheet – Eclipses
- Crash Course Video Worksheet - The Moon
- Two Student-Led Moon Activitiy



Resources Included

MS-ESS1-2

- Our Solar System – Lesson
- Galaxies Other Objects and the Universe – Lesson
- Model Solar System Activity
- Exploring the Solar System Project
- Crash Course Video Worksheet - The Gravity of the Situation
- Crash Course Video Worksheet - The Solar System
- Crash Course Video Worksheet - Newtonian Gravity
- Stars Galaxies and the Universe - Word Search and Scramble
- Our Solar System Digital INB



MS-ESS1-3

- Distances in Space – Lesson
- Galaxies Other Objects and the Universe – Lesson
- Our Solar System - Lesson
- Model Solar System Activity
- Crash Course Video Worksheet - The Solar System
- Crash Course Video Worksheet – Telescopes
- Crash Course Video Worksheet - Distances in Space
- Case Study - The Vastness of the Universe
- Stellar Bonds- A Friendship Across the Cosmos - Reading Prompt



Bundles Included

NGSS MS-ESS1-1

Curriculum Bundle

Earth-Sun-Moon System: Phases, Eclipses, and Seasons

- ✓ 2 Lessons and 15 Activities
- ✓ Everything You Need to Teach NGSS MS-ESS1-1



NGSS MS-ESS1-2

Curriculum Bundle

Gravity & Orbital Motion Modeling the Solar System & Galaxies

- ✓ 2 Lessons, 7 Activities, and 1 Project
- ✓ Everything You Need to Teach NGSS MS-ESS1-2



NGSS MS-ESS1-3

Curriculum Bundle

Solar System Scale & Structure: Analysis of Planets and Moons

- ✓ 2 Lessons, 7 Activities, and 1 Project
- ✓ Everything You Need to Teach NGSS MS-ESS1-3



Everything You Need to Teach Middle School Space Systems in New York State using NYSSLS

Complete Lessons

Our Solar System

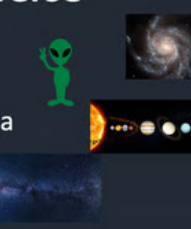
- The Sun
- Mercury
- Venus
- Earth
- Mars
- Jupiter and its Great Red Spot
- Saturn
- Uranus
- Neptune
- Why Pluto Was Demoted



Google Slides and PowerPoint Versions Included
Google Classroom Ready

The Immensity of the Universe

- Solar Systems
- Galaxies
- The Andromeda Galaxy
- Aliens
- The Drake Equation
- Alien Inquiry



Google Slides and PowerPoint Versions Included
Google Classroom Ready

The Moon

- Moon Facts
- Movement of the Moon
- Moon Formation
- Phases of the Moon
- Tides
- What if the Moon Disappeared?
- Misconception – Dark Side of the Moon
- The Moon Illusion



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Earth's Seasons

- Effects of Earth's Rotation
- Earth's Tilt
- Effect of Earth's Revolution
- The Tilt and Direct Sunlight
- The Seasons



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Scale Model Solar System Activity



THREE VERSIONS – Great for any grade level
Metric and Imperial measurements included

Engaging Activities

Device-Based Scavenger Hunt Eclipse – Solar and Lunar

Includes

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks and laptops

- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more



Solar and Lunar Eclipses Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

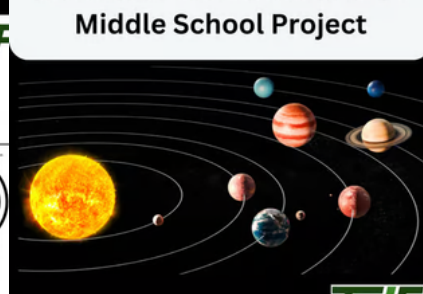
Stars, Galaxies, and the Universe Word Search and Scramble

THREE Activities in One!

1. Basic 25-Term Word Search
2. Scrambled Words Word Search
3. Word Scramble and Define Activity



Exploring the Solar System - An Individual and Collaborative Middle School Project



TWF

Stellar Bonds- A Friendship Across the Cosmos



Story Prompt

The Standard is Explained and the Resources it Incorporates are Outlined

MS. Space Systems – New York State – Middle School

MS ESS1-1: Develop and use a model of the Earth-sun-moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons. Examples of models can be physical, graphical, or conceptual.

Resources:

- The Moon – Lesson
- The Seasons - Lesson
- Eclipse - Scavenger Hunt
- The Seasons - Scavenger Hunt
- Earths Seasons - Lab Station Activity
- Eclipse - Solar and Lunar - Lab Station Activity
- The Moon and its Phases - Lab Station Activity
- Solar and Lunar Eclipses Digital INB
- The Seasons Digital INB
- Solar and Lunar Eclipses Reading
- Why Do We Need the Moon - Reading
- The Seasons - Reading
- Crash Course Video Worksheet - Moon Phases
- Crash Course Video Worksheet – Eclipses
- Crash Course Video Worksheet - The Moon
- Two Student-Led Moon Activities
- Bill Nye Seasons Video Worksheet

MS ESS1-2: Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system. Emphasis for the model is on gravity as the force that holds together the solar system and Milky Way galaxy and controls orbital motions within them. Examples of physical (such as the analogy of distance along a football field or computer visualization of orbits) or conceptual (such as mathematical proportions relative to the size of families' school or state). *Assessment Boundary:* Assessment does not include Keplerian motion or the apparent retrograde motion of the planets as viewed from Earth.

Resources:

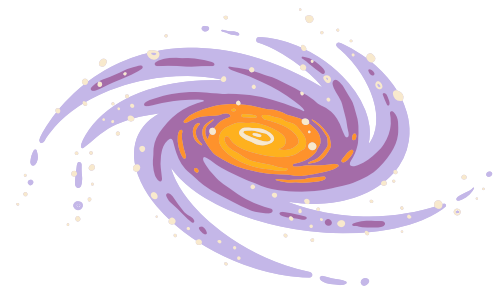
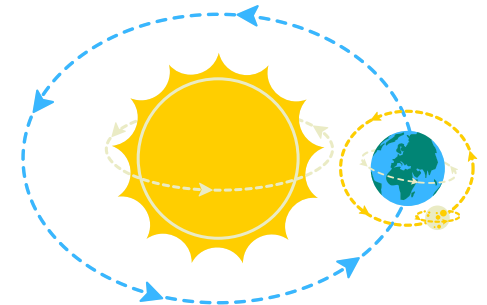
- Our Solar System – Lesson
- Galaxies Other Objects and the Universe – Lesson
- Model Solar System Activity
- Exploring the Solar System Project
- Crash Course Video Worksheet - The Gravity of the Situation
- Crash Course Video Worksheet - The Solar System
- Crash Course Video Worksheet - Newtonian Gravity
- Stars Galaxies and the Universe - Word Search and Scramble
- Bill Nye Outer Space Video Worksheet
- Our Solar System Digital INB

MS ESS1-3: Analyze and interpret data to determine scale properties of objects in the solar system. Emphasis is on the analysis of data from Earth-based instruments, space-based telescopes, and spacecraft to determine similarities and differences among solar system objects. Examples of scale properties include the size of an object's layers (such as crust and atmosphere), surface features (such as volcanoes), and orbital radius. Examples of data include statistical information, drawings and photographs, and models.

Assessment Boundary: Assessment does not include recalling facts about properties of the planets and other solar system bodies.

Resources:

- Distances in Space – Lesson
- Galaxies Other Objects and the Universe – Lesson
- Our Solar System - Lesson
- Model Solar System Activity
- Crash Course Video Worksheet - The Solar System
- Crash Course Video Worksheet – Telescopes
- Crash Course Video Worksheet - Distances in Space
- Case Study - The Vastness of the Universe
- Stellar Bonds- A Friendship Across the Cosmos - Reading Prompt



Who is this Bundle for?

- Teachers who teach middle school science in **New York State** and use the **NYSSLS** NGSS
- Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard
- Teachers who don't have time to develop their own resources or organize what to teach and when

