

Space Science Unit Study!
Created by Sagebrush Simplicity
Grades K-5

Science, Creative Writing, Music, Art!

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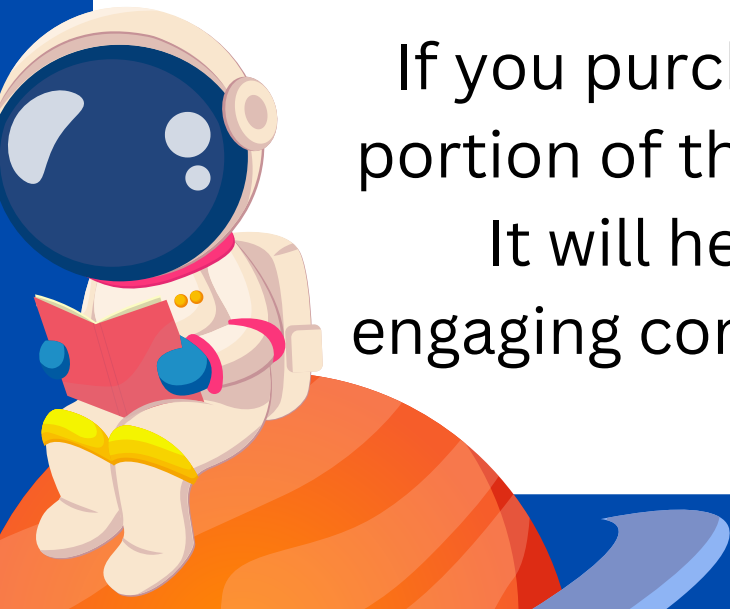


Thank You!

Hi! I'm Lynn, a homeschool mama and a Social Worker. I'm so excited for you to dive into this unit study! Inside are ways to incorporate games, books, videos, art and music! I aim to provide wholesome, fun and interactive unit studies. Our family really enjoyed this space exploration and I hope yours will too!

Affiliate links

If you purchase anything from the links below, a portion of the cost will go to Sagebrush Simplicity. It will help me to continue making fun and engaging content to support homeschool families.



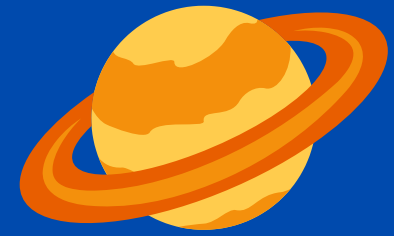


**Planets
Constellations
Meteors, Asteroids, Comets,
Astronauts and more!**





Books for bigs, littles and in the middles!



The Book of Blast Off!

Space Care

Spaceman

Nat Geo Backyard Guide to the Night Sky

Usborne or DK Encyclopedia

A Hundred Billion Trillion Stars

Nat Geo Space Encyclopedia

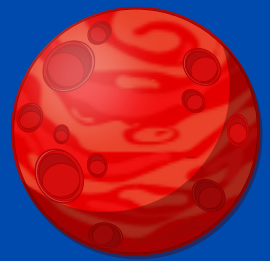
The Big Book of Science Stories, Sparks and
Stars

Nat Geo Kids Night Sky

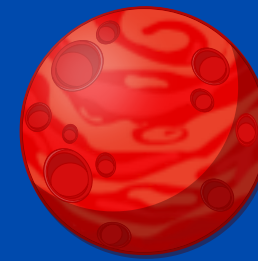
Space for Smart Kids

Little Rocket

Twinkle Twinkle



Videos



[NASA Imagine Your an Astronaut](#)

[CBS Kids News Life in Space](#)

[Nat Geo Kids Weird But True Astronauts](#)

[Sci Show Kids, What Do Astronauts Do?](#)

[Sci Show Kids, Why Do Things Float in Space?](#)

[Nasa Space Place Videos \(Solar System\)](#)

[Sci Show Kids Looking at Earth From Space](#)

[Sci Show Kids Space: Explore the Rocky Planets](#)

[Sci Show Kids Space: Explore the Gas Giants](#)

[Sci Show Kids, What are Stars?](#)

[Sci Show Kids, What is meteor Shower?](#)

[Sci Show Kids, Constellations!](#)

[Nasa - What's the Difference?](#)

[HFT Planets](#)





More Space Fun!

[Planetarium Projector](#)

[Professor Noggin's Outer Space Trivia](#)

[Sums in Space](#)

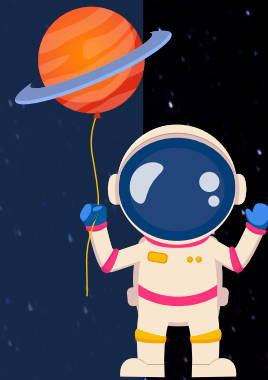
[Constellation Blocks](#)

[Magnetic Solar System](#)

[Guess in 10!](#)

[Space Sticker and Coloring Book](#)

[Nasa Space Place Videos](#) (Great website full of videos, interactive info and games!)





Play Some Classical Music with a Space-like Feel!

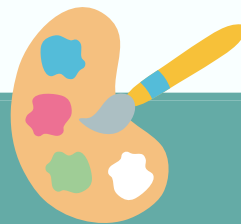
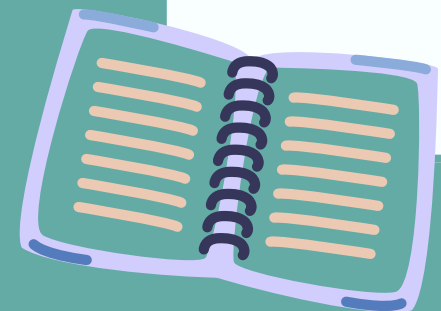
Gustav Holst's "The Planets" (especially movements like Mars and Jupiter),

Claude Debussy's "Clair de Lune" and "La Mer",

Karlheinz Stockhausen's "Elektronische Studien",

Haydn's "Il Mondo della Luna" (The World on the Moon)

Philip Glass' "The Voyage"



Artistic Experiences with Space!

An Image of Space

You'll need:

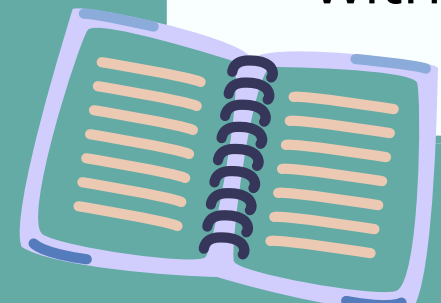
Black or dark blue construction paper

Salt

Paint, chalk and/or white crayons

Glue or glitter glue

1. Draw or paint your celestial images - stars, comets, constellations, nebulas, galaxies, etc. Let your creativity flow!
2. Make it come to life! Use glue or glitter glue on your picture where you want to add depth. Then coat the glue with salt to make it shine and sparkle!





More Artistic Experiences with Space!

Let your creativity flow!

Remember there is no right or wrong in art!

Offer guidance and suggestions but don't stress when they give it their own spin!

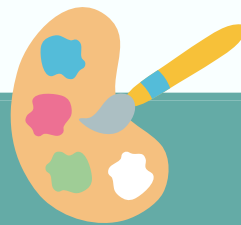
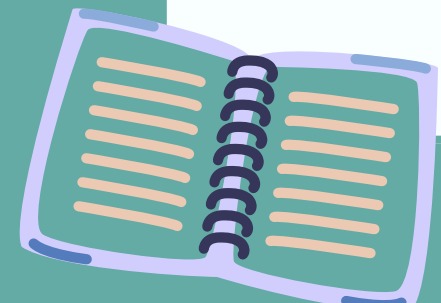


Check out some of these for more artistic inspiration!

<https://artscraftsymom.com/outer-space-crafts-for-kids/>

<https://www.simpleeverydaymom.com/space-crafts-for-kids/>

<https://www.artycraftykids.com/craft/flying-rocketship-craft-space-craft/>





Lesson 1 Planets

Videos to Watch

[Nasa Space Place Videos \(Solar System\)](#)

[Sci Show Kids Looking at Earth From Space](#)

[Sci Show Kids Space: Explore the Rocky Planets](#)

[Sci Show Kids Space: Explore the Gas Giants](#)

[HFT Planets](#)



Lesson 1 Planets

Books to Enjoy

Usborne Big Book of Stars and Planets

Usborne First Encyclopedia of Space

DK Space Encyclopedia

My First Book of Planets: All About the Solar System for Kids

Little Kids First Big Book of Space

Nat Geo Kids Planets

Cat in the Hat There's No Place Like Space!

The Girl Who Named Pluto: The Story of Venetia Burney

The Good and The Beautiful Science Stories, Sparks and

Stars - Venus and Volcanoes, Earth: Our Home, & Journey to

Jupiter





Lesson 1 Start Exploring - Planets!

Gather items to use as planets. In this lesson you're going to pretend to travel through space to each planet learning as you go! Try making it even more fun! Create some pretend space helmets from household items or grab some other dress up gear! Each member of the family can be assigned a role on your space mission. Step by step instructions are up next! It may be helpful to break this activity up over multiple days.



Lesson 1 Start Exploring- Planets!

1. Watch the Have Fun Teaching Planets Song
2. Line-up your objects in the order of the planets. You can use balls, rocks, a small globe, bowls and more for planets and moons. Legos, marbles, and K'Nex make great asteroid belts!
3. Use the Good and the Beautiful (G&B) Sparks and Stars Parent Guide, planet pages (34-55) to pretend to travel to each planet and learn as you go. You'll need to download the Good and the Beautiful app as well.





**More Great lessons on Planets Using G&B
Sparks and Stars Parent Guide!**

**Check out the planet lessons on
pages 34-54**



Lesson 1 Start Exploring- Planets! (Not using G&B)



1. Watch the Have Fun Teaching Planets Song
2. Line-up your objects in the order of the planets. You can use balls, rocks, a small globe, bowls and more for planets and moons. Legos, marbles, and K'Nex make great asteroid belts!
3. Watch Sci Show Kids planet videos and HFT Planets
4. Use encyclopedias and internet searches to learn more
5. Pretend to blast off planet to planet and talk about things that each person in the room finds interesting.



Lesson 2 - Astronauts!

Videos to Watch

[NASA Imagine You an Astronaut](#)

[CBS Kids News Life in Space](#)

[Nat Geo Weird But True Astronauts](#)

[Sci Show Kids, What Do Astronauts Do?](#)

[Sci Show Kids, Why Do Things Float in Space?](#)



Lesson 2 - Astronauts!

Books to Enjoy

Space Care

A Is For Astronaut

Space Man

Space for Smart Kids

Pete the Cat Out of This World

The Good and The Beautiful Science Stories,

Sparks and Stars - Discovering Gravity

The Book of Blast Off!





Lesson 2 Astronauts!

1. What Do you think it's like to be an astronaut?

Questions to consider. This can be done as a writing project or a discussion. Go with initial creative thoughts. Do the research after!

Questions:

How do you become an Astronaut? What would you need to do and learn?

What's it like to live in space? How do you eat, sleep, use the bathroom?

Does anything change within the human body when you're in space?

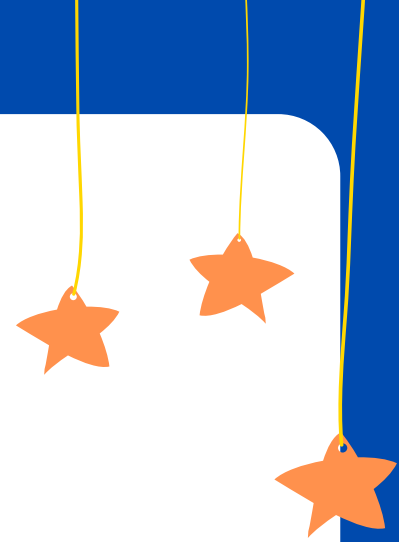
What do astronauts do when they're not in space?



Lesson 2 - Astronauts

Do The Research!

1. Now that you have your own creative thoughts go play with your ideas!
2. Use books, videos and internet searches to see if your thoughts actually work in space!
3. If they don't, find out why!
4. Share what you find.
5. Make a list of things you want to learn more about and follow those rabbit trails.



Lesson 3 - Stars, Meteors, Asteroids and Comets



Videos to Watch

Sci Show Kids, What are Stars?

Sci Show Kids, What is meteor Shower?

Sci Show Kids, Constellations!

Nasa - What's the Difference?

Books to Enjoy

The Good and The Beautiful Science Stories, Sparks
and Stars - Cosmic Snowballs and Candles in the Sky.

Nat Geo Kids Night Sky.

Nat Geo Backyard Guide to the Night Sky.

A Hundred Billion Trillion Stars





Lesson 3

Stars, Meteors, Asteroids and Comets (Using the G&B)

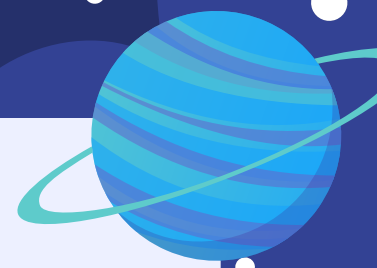
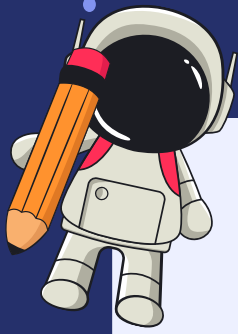
1. Make your way through the lessons in the Sparks and Stars Parent Guide. Check out the lessons on Comets, Stars, The Sun, Asteroids and Meteors.
2. Use videos, books and internet searches to learn more!
3. Go outside on a clear night and see what you can see. You can use an app to help you find objects in the night sky such as constellations and planets!



Lesson 3

Stars, Meteors, Asteroids and Comets

1. Use videos, books and internet searches to learn about each one of these!
2. Go outside on a clear night and see what you can see. You can use an app to help you find objects in the night sky such as constellations and planets!
3. PLAY! Legos and Light Brights are great for playing with constellations! Try to create some that you can see, or come up with some from your own creative ideas!



Videos for Big Kids

(It is recommended that parents view them first.)

Return to Space Nasa and SpaceX (MA)
(Documentary)

Neil Degrasse Tyson (documentary)

- Nasa Documentaries (There's a bunch of them!)
- Polaris Dawn Space Walk



Wrapping It Up!

Rabbit Trails to Follow!

Explore force, motion, solar power, the ISS and gravity!

Dive further into space missions.

Pick a planet to research further.

How did the constellations get their names?

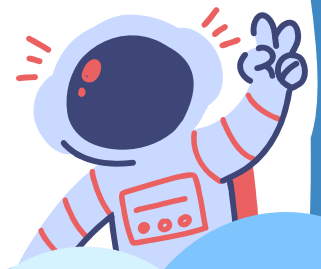
Mythology

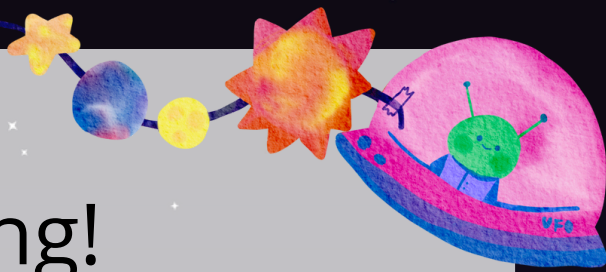
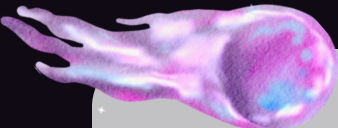
**What would you do writing, pretend play
or discussion project!**

Create your own space colony!

Design a shuttle! Write a space story!

What it be like if your parents
were astronauts?





Thank you for purchasing!
Any questions or if you need help with
this unit study contact me at
Lynn@sagebrushsimplicity.com

For more great resources and ideas
check out my blog at
[sagebrushsimplicity.com!](http://sagebrushsimplicity.com)

