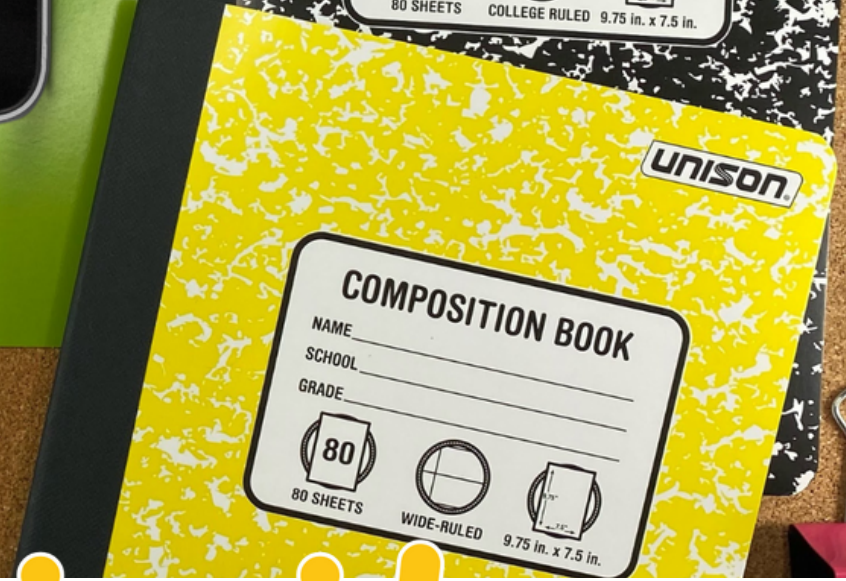
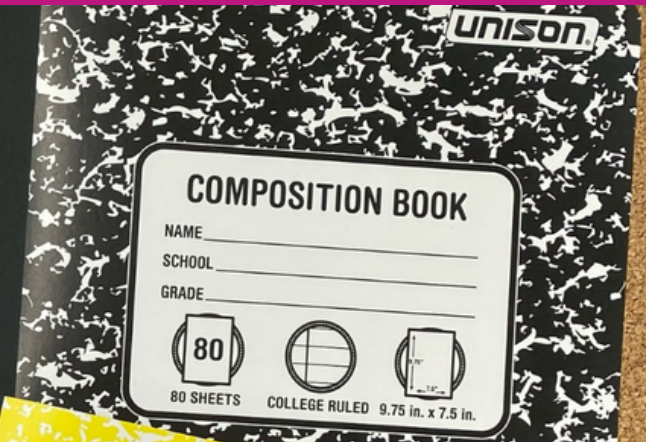


SOLAR ECLIPSE



LNK **Activity**
Interactive Learning Guides

WAIT!

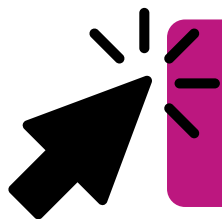
Thank you for considering this LINKtivity for your classroom, but before you make a decision - you should know that you can get **access to this LINKtivity + PLUS our entire library** for about the same price as a single LINKtivity!

The results are in: **Teachers LOVE LINKtivities...** and want more! So, we've made it SUPER easy and cost effective for you to access any and ALL of our LINKtivities inside our LINKtivity Learning membership option! Instead of purchasing just ONE LINKtivity - why not get access to ALL of them... for about the SAME PRICE!



INSIDE THE MEMBERSHIP YOU'LL HAVE UNLIMITED ACCESS TO:

- ✓ The **entire growing LINKtivity® library** inside the Membership (LINKtivities for all content areas)
- ✓ ALL **future LINKtivities** to be added to the membership (new releases each month!)
- ✓ **Teacher guides** to help you set up each LINKtivity® successfully in your classroom
- ✓ **Student resources** that go along with each LINKtivity (printable OR digital)
- ✓ **Kid-friendly rubrics** and **answer keys** for each LINKtivity®



JOIN NOW





Discover our Solar Eclipse LINKtivity, an engaging digital activity for upper elementary students! Uncover the mysteries of solar eclipses, explore the three main types, and learn the science behind these captivating events. Delve into fun facts about the sun, moon, and earth, and uncover intriguing tidbits about solar eclipses for an exciting learning experience!



More Sample Slides

Have you ever looked up at the sky on a sunny day and felt... **Nature's Magic Trick!**

10 During a **total solar eclipse**, the Moon completely covers the Sun, turning day into night for a short time. It's like a giant puzzle piece fitting perfectly over the Sun. People in the **path of totality**, where the Sun is completely blocked, can see the Sun's outer atmosphere called the **corona**. It's a breathtaking sight that leaves everyone in awe.




11 Click the map icon to see the path of totality for the 2024 solar eclipse.

12 path of totality the narrow strip on Earth where people can see the Sun disappear during a solar eclipse

Path of Totality

Not everyone around the world gets to see a solar eclipse. Total eclipses have occurred in various locations throughout history, depending on the positions of the Earth and the Moon. The path displayed on the map below indicates the specific places in the United States that will experience a total eclipse during the solar eclipse scheduled for April 8, 2024.



13 Use a Map!

14 What parts of the United States will experience a total eclipse?

15 What city on the map will experience the eclipse first? Last?

16 At what time will Toledo, Ohio experience the solar eclipse?

17 Which direction is the path of totality moving?

18 Click the to check your answer

credit: National Eclipse

Have you ever looked up at the sky on a sunny day and felt... **Nature's Magic Trick!**

19 A **partial solar eclipse** happens when the Moon only covers part of the Sun. It's like the Moon takes a little bite out of the Sun's bright circle. Depending on where you are, you might see a chunk missing from the Sun. Even though it's not as dramatic as a total eclipse, it's still exciting to watch the Sun change shape!



20 Click the video icon to learn more about the solar eclipse.

Have you ever looked up at the sky on a sunny day and felt... **Nature's Magic Trick!**

21 An **annular solar eclipse** occurs when the Moon is too far away from the Earth to completely cover the Sun's disk. This creates a ring of fire effect, where the Sun's outer edges still peek out around the Moon, forming a bright ring in the sky.



22 Click the video icon to learn more about the solar eclipse.

MOON

23 Did you know... The Moon gets its light from the Sun.

24 The Moon takes about one month to orbit around the Earth. As it moves in its orbit, the part of the Moon we can see from Earth changes, making it appear like its shape is changing too.

25 Click HERE to learn more about the Moon's phases.

The Moon is over 230,000 miles away from Earth.

phases of the Moon

EARTH

26 Did you know... Earth has one moon that orbits around it.

27 Earth is spinning at a speed of about 1,000 miles per hour as it orbits the Sun.

28 Earth's atmosphere is made mostly of nitrogen and oxygen.

Earth is the third planet away from the Sun.

THE SUN

29 Did you know... Energy that comes from the sun is called "solar energy."

30 The sun is almost a million miles wide!

31 Hot particles flying off the sun are called "solar wind."

32 The Sun is about 10,000 degrees Fahrenheit.

The sun keeps Earth warm.

The Sun is 93 million miles (150 million km) away from Earth.

solar wind


33 Click HERE to learn more about the Sun.

Fun Facts!

34 Click on each card below to flip it over and learn some fun facts about the solar eclipse!

During an eclipse, the temperature can drop suddenly. It's like going from a sunny day to a cool evening in just a few minutes!

Animals might act strangely during a solar eclipse. Birds might stop chirping, and animals might start heading to their nests, thinking it's nighttime.



Fun Facts!

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This LINKtivity is provided with

AUDIO SUPPORT



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credit: National Eclipse

Use a Map!

- What parts of the United States will experience a total eclipse?
- What city on the map will experience the eclipse first? Last?
- At what time will Toledo, Ohio experience the solar eclipse?
- Which direction is the path of totality moving?
- Click the to check your answer.

Perfect for English language learners or students who could use a little extra support!



Student & Teacher Resources

While rotating, Earth also dances around in a big circle, and that's called orbiting. The Moon, however, sometimes it gets in between Earth and the Sun, creating a solar eclipse!

Sun, Moon, & Earth

Sun

Draw it

List 3 facts about the Sun.

- 1
- 2
- 3

Earth

Draw it

List 2 facts about the Earth.

- 1
- 2
- 3

Moon

Draw it

List 2 facts about the Moon.

- 1
- 2
- 3

Solar Eclipse

By: _____

fun facts

List a fact about solar eclipses in each box.

Fact: _____

Fact: _____

Fact: _____

Fact: _____

Fact: _____

What is a Solar Eclipse? Sun, Moon & Earth Fun Facts

Printable Flipbook for LINKtivity



Fun Facts

List a fact about solar eclipses in each box.

Fact: _____

Fact: _____

Fact: _____

Fun Facts

A SOLAR ECLIPSE IS...

What is a Solar Eclipse?

Describe the 3 main types of solar eclipses.

Total

Describe it Draw it

Partial

Describe it Draw it

Annular

Describe it Draw it

OF TOTALITY on Earth where people can see the Sun disappear during a total solar eclipse

What is a Solar Eclipse?

Digital Flipbook for LINKtivity in Google Slides

LESSON

ESSENTIAL QUESTIONS:

What is a solar eclipse?

What happens during a solar eclipse?

Standards Covered

2-ESS1-1, 5-ESS1-2, MS-ESS1-1

Materials Needed

Solar Eclipse LINKtivity®
Solar Eclipse Student Flipbook (optional)
Masking Tape
One of Each: Beach Ball, Golf Ball, Marble (or similar round objects)
Solar Eclipse Poster

Teacher Preparation

Preview the Solar Eclipse LINKtivity® and plan for how you will share the LINKtivity (ex. assign link in Google Classroom, prepare QR codes, etc.)
Make copies of the flipbook (optional).
Make a copy of the poster. Laminate if possible.
Have on hand masking tape, a beach ball, golf ball, and a marble.

Lesson Introduction (10-15 min.)

- Introduce the essential questions.
- On a large open area of the floor, place a long strip of masking tape (several "S" (representing the Sun) at one end of the strip. On the other end of the strip draw a "E" (Earth). Finally, significantly closer to the E than the S, draw a "M" (Moon). See diagram below.
- Display the three round objects. Explain that these three objects represent the Sun and Moon. Have students make predictions about which object represents what. Ask for 3 volunteers and give each one a round object. Instruct the student with the beach ball (Sun) to stand on the "S" on the tape, representing the Sun. Then, have the student with the golf ball (Earth) stand on the "E" on the tape to symbolize the Earth. Lastly, ask the student with the dried pea (Moon) to stand on the "M" on the tape, representing the Moon.
- After students are positioned, clarify that these positions represent the Sun, Earth, and Moon in space. Encourage students to observe and comment on their locations and sizes. For instance, a student might notice that the Moon is closer to the Earth than the Sun, or that the Sun is the largest while the Moon is the smallest.
- Discuss the movement patterns of the Earth and Moon. (Earth rotates and orbits around the Sun, while the Moon orbits the Earth). You may have students with the ball mimic these movements.

Solar Eclipse

A solar eclipse occurs when the Moon moves in between the Sun and Earth, creating a shadow on Earth.

Lesson Plan & Classroom Poster

Student Flipbook Rubric

	4 - Excellent	3 - Good	2 - Satisfactory	1 - Needs Improvement
Neatness & Appearance	My Flipbook is very neat and easy to read. I neatly colored in any illustrations with great detail. It is clear that I took my time to make my Flipbook reflect my learning.	My Flipbook is neat and my writing is easy to read. I neatly colored in any illustrations.	My Flipbook is somewhat neat. Some of my writing is hard to read. I colored in any illustrations.	My Flipbook is quite sloppy. My writing is hard to read. Illustrations are NOT colored, or are sloppily done.
Accuracy & Completeness	The information in my Flipbook is 100% correct. I've included many details from the LINKtivity and have put what I've learned clearly in my own words.	The information in my Flipbook is mostly correct. I've included several details from the LINKtivity, written in my own words.	My Flipbook contains several incorrect or missing pieces of information. I struggled to use the information from the LINKtivity to complete my Flipbook correctly.	My Flipbook has many incorrect or missing pieces of information. I struggled to use the information from the LINKtivity to complete my Flipbook correctly.

While rotating, Earth also dances around in a big circle, and that's called orbiting. The Moon, however, sometimes it gets in between Earth and the Sun, creating a solar eclipse!

Sun, Moon, & Earth

Sun

Draw it

List 3 facts about the Sun.

- 1 The Sun is the largest star in our solar system.
- 2 The Sun is 93 million miles (150 million km) away from Earth.
- 3 The Sun is about 8,000 degrees Fahrenheit.

sample facts listed

Earth

Draw it

List 2 facts about the Earth.

- 1 Earth is the third planet from the Sun.
- 2 Earth has one moon that orbits around it.
- 3 Earth is spinning at a speed of about 1,000 miles per hour as it orbits the Sun.

Moon

Draw it

List 2 facts about the Moon.

- 1 The Moon is the only natural satellite of Earth.
- 2 The Moon is about 238,900 miles (384,400 km) away from Earth.

Sun, Moon & Earth

Answer Key & Rubric

