

INCLUDES GOOGLE™ SLIDES

ECLIPSES

LIBRARY LESSON



lunar eclipse

WHAT IS AN ECLIPSE?

Eclipses happen a few times a year. They happen when the sun, moon, and earth line up and block each other's light. There are two types of eclipses: solar and lunar.

GRADES
2-5

Great to introduce April 2024 Eclipse!



DON'T HAVE POWERPOINT?

SOLAR ECLIPSES

The sun, moon, and earth are always moving.

When the moon moves in front of



solar eclipse

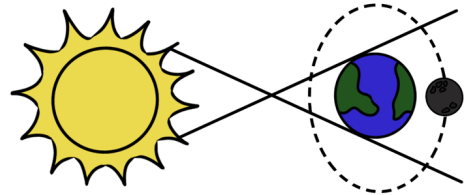
LUNAR ECLIPSES

Eclipses can also happen at night!

Lunar eclipses happen at night. Lunar means moon.

Lunar eclipses occur when Earth's shadow moves in front of the moon.

This happens when the earth moves between the sun and the moon.

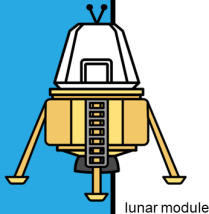


You can also edit and teach
your storytime in Google Slides!

GUIDES YOUR LIBRARY TIME

CHECKING OUT BOOKS TODAY!

Write in checkout reminders or procedures here.



WHAT SHOULD WE DO NOW?

1



Choose a book

2



Check out

3



Work on your
scavenger hunt

The presentation guides library time from start to finish!
Includes video links, reminder slides, and a
“What Should We Do Now?” slide. All editable!

PART I - WHOLE-GROUP LESSON

SIGN LANGUAGE

[This is the American Sign Language sign for sun.](#)



Letter C

Make a letter C with
Touch the C to your
Move C hand away

How does this

SUN OR MOON?

Let's play a game! I am going to describe either the sun or the moon.



If you think the statement
is about the SUN, show
me the sign for sun.



If you think the statement
is about the MOON, show
me the sign for moon.

Students determine if the statement describes the sun or the moon. Students sign “sun” in sign language to indicate the sun, and the “moon” ASL sign for the moon. Student instructions for each ASL sign included in the slides.

PART I - WHOLE-GROUP LESSON



OR



Which one is
made of plasma?

The sun is made of plasma!

Plasma is a state of matter.

There are four states of matter.

The other three are: solid, liquid, and gas.

Fire, lightning, and neon signs are types of plasma.



Sample question and answer for “Sun or Moon?” game

PART II - SCROLLING SLIDES



WORD OF THE WEEK

path of totality

This refers to the specific track a total solar eclipse takes over the earth.

APRIL 8, 2024

The eclipse on April 8, 2024 will be a total eclipse. It is expected to be the ONLY total eclipse visible across the USA until 2044. So...it's a pretty big deal!

Mexico, the USA, and Canada will be in the path of totality on April 8th.

Make sure your parents and teachers know about this major event!
Many schools will take students outside to observe the eclipse.



Part II includes fun facts, vocabulary, two “sun” and “moon” mystery animals, Would-You-Rathers, and trivia questions about eclipses. Part II pairs with the scavenger hunts.

PART III - WRAP UP

QUESTION ONE

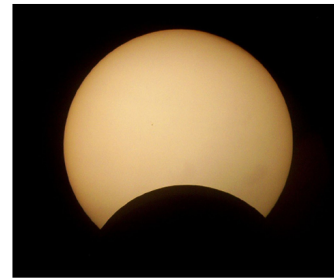
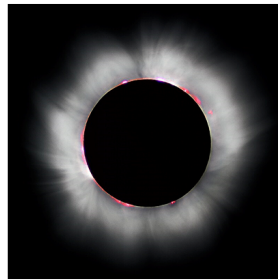
You just found out you are
getting a new baby sister!

You are "over the
What does



QUESTION TWO

Which photo below shows a partial eclipse?
Which one is a total eclipse? What's the difference?



Part III is great for the end of library time. Use these 6 slides to select students for line-up, to keep students engaged while waiting in line for their teacher, or as a time filler as needed.

ON THE SPECIALS ROTATION?

TRIVIA QUESTION

What is the record number of solar eclipses that happened in one year?

3

OR

5

TRIVIA ANSWER

What is the record number of solar eclipses in one year?

ANSWER: Five!

Five solar eclipses in one year is relatively rare,
but it has happened a few times in history.

The most recent year with five solar eclipses was 1935.
There were also five lunar eclipses that same year!

Move the “Extra Slides” within the presentation to differentiate between grade levels. This also keeps storytime interesting for you if you are teaching this storytime over and over.

FUN FACTS & TRIVIA

WHAT DO YOU THINK?

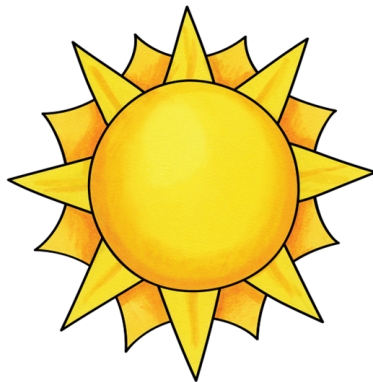
Can a lunar eclipse damage your eyes?

Nope! Lunar eclipses can only happen at night. It's the sun's powerful light that damages your eyes.

The moon's light is too weak to hurt your eyes. You can safely look directly at a lunar eclipse.



SUN IDIOM



"everything under the sun"

This idiom means EVERYTHING!

It is often used as exaggeration.

I've tried everything under the sun, but I can't train my dog to walk on his hind legs.

ALL TEXT IS EDITABLE

MOON IDIOM

“over the moon”

This idiom means excited or happy.

Luna was over the moon about
her birthday party next week.



**Editable (all text,
captions, and headers)**

**Not editable
(images)**

Artwork has been locked to protect copyright.

LESSON PLAN

PREP CHECKLIST

Prep is very important for this lesson! Before your lesson, you will need to:

- Check your lesson area. Your lesson area should have the PowerPoint where students can see it. Audio not needed for this lesson unless you are using the video links I included.
- If you have a slide remote "clicker" (recommended), put it in the lesson area or where you can access it easily.
- Look through your slides and edit as needed.
- Learn the sign language signs. I linked video and/or included links for the sign language in the presentation. Practice with students already know the signs.
- Select your reads, but you will be reading to them.
- Organize your materials. Do you have any of the materials at different levels?
- Set your timing. Do you have any of the materials included at the beginning of the lesson?
- If you are using a display of the materials, do you have them up?
- Do you want to use them in your lesson?

NOTES ON THIS LESSON:

Use this space for any notes you might want to remember about this lesson next year.
Is there anything you want to add or change next year?

Type here

ADDITIONAL STANDARDS

CCSS

- CCSS.ELA-LITERACY.SL.2.1**
Participate in collaborative conversations with diverse partners about grade-2 topics and texts with peers and adults in small and larger groups.
- CCSS.ELA-LITERACY.SL.2.1.A**
Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).
- CCSS.ELA-LITERACY.RI.3.7**
Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur).
- CCSS.ELA-LITERACY.RF.4.4**
Read with sufficient accuracy and fluency to support comprehension.
- CCSS.ELA-LITERACY.RL.4.9**
Compare and contrast the treatment of similar themes and topics (e.g., opposition of good and evil) and patterns of events (e.g., the quest) in stories, myths, and traditional literature from different cultures.
- CCSS.ELA-LITERACY.SL.5.1.B**
Follow agreed-upon rules for discussions and carry out assigned roles.

TEKS

- §112.13. SCIENCE, GRADE 2**
(6C) Earth and space. The student knows that there are recognizable patterns in the natural world and objects in the sky. The student is expected to observe, describe, and record patterns of objects including the appearance of the Moon.
- §110.4. ENGLISH LANGUAGE ARTS AND READING, GRADE 2**
(5) Developing and sustaining foundational language skills: listening, speaking, reading, and thinking. The student reads grade-appropriate texts independently. The student is expected to select text and read independently for a sustained period of time.
- §110.5. ENGLISH LANGUAGE ARTS AND READING, GRADE 3**
(6B) Developing and sustaining foundational language skills: listening, speaking, reading, and thinking. The student reads grade-appropriate texts independently. The student is expected to select text and read independently for a sustained period of time.
- §112.15. SCIENCE, GRADE 4**
Earth and space. The student knows that there are recognizable patterns in the natural world among the Sun, Earth, and Moon system. The student is expected to (B) collect and analyze data to identify sequences and predict patterns of change over time, seasons, and the observable appearance of the Moon over time.

LESSON PLAN

THE STUDENTS WILL...

and participate in the whole-group discussion of the sun, moon, and eclipses using the sign "sun" and "moon" in American Sign Language. They will also identify which statements are about the sun or the moon and discuss the science behind various aspects of the sun, moon, and eclipses.

VIDEO LINKS:

- "The Solar Eclipse Animation for North America" by Transpareskies (<1 min)
- "A Solar Eclipse?" by NASA Space Place (<2 min)
- "Eclipse Viewer" by SciShow Kids (<3 min)
- "Eclipse" by SciShow Kids (<3 min)

LESSON PLAN

DATES

TYPE LESSON DATE HERE

GRADES

TYPE GRADE LEVEL(S) HERE

SUPPLIES AND RESOURCES NEEDED

- Computer, projector or TV screen, slide "clicker", audio speakers
- Books for read aloud
- Copies of Recommended Reads to send to teachers and parents, if desired
- Crayons, colored pencils, and/or markers

AASL STANDARDS FRAMEWORK

- AASL.AV.1**
Reading widely and deeply in multiple formats and write and create for a variety of purposes
- AASL.D.1.3**
Enacting new understanding through real-world connections
- AASL.CV.1**
Expressing curiosity about a topic of personal interest or curricular relevance

COMMON CORE STANDARDS

- CCSS.ELA-LITERACY.SL.2.1.A**
Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).
- CCSS.ELA-LITERACY.L.3.9**
Demonstrate understanding of figurative language, word relationships and nuances in word meanings.
- CCSS.ELA-LITERACY.RI.4.4**
Determine the meaning of words and phrases as they are used in a text, including those that allude to significant characters found in mythology (e.g., Hercules).
- CCSS.ELA-LITERACY.RL.5.4**
Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes.

TEKS

- §110.4. ENGLISH LANGUAGE ARTS AND READING, GRADE 2**
(5) Developing and sustaining foundational language skills: listening, speaking, reading, and thinking—self-sustained reading. The student reads grade-appropriate texts independently. The student is expected to self-select text and read independently for a sustained period of time.
- §110.5. ENGLISH LANGUAGE ARTS AND READING, GRADE 3**
(D) Identify, use, and explain the meaning of acronyms, synonyms, idioms, homophones, and homographs in a text.

Pre-filled, editable lesson plan template.
Includes AASL, CCSS, and TEKS for this lesson.

SCAVENGER HUNTS

Name _____ Teacher _____

SCAVENGER HUNT

Did you see all the pictures below in the slides?

lunar eclipse

sol

g

EASIER

eclipse date

“over the moon”

sun bear

moonscape

Sun, Moon, and Eclipses

Name _____ Teacher _____

SCAVENGER HUNT

How many of these pictures did you find in the Eclipse slides?

HARDER

2500 moon jellyfish have traveled to _____

This “moon” idiom means happy or excited

If the sun, earth, and moon are not in perfect alignment, what kind of eclipse is it?

The _____ effect occurs just before and just after totality in a solar eclipse.

For about how long does solar eclipse totality last?

What is the record number of solar eclipses in one year?

How long is a sun bear’s tongue?

What happens on April 8, 2024?

Sun, Moon, and Eclipses

Name _____ Teacher _____

SCAVENGER HUNT

How many of these pictures and facts can you find in the Eclipse slides?

Circle the solar eclipse.

“Over the moon”

2500 moon jellyfish have traveled to _____

This “moon” idiom means happy or excited

outer space

ANSWER KEY

a few minutes

What is the record number of solar eclipses in one year?

How long is a sun bear’s tongue?

10 inches

Total solar eclipse over many parts of North America

Solar means sun

Lunar means moon

What happens on April 8, 2024?

Sun, Moon, and Eclipses

Keep students engaged during checkout!
 All images and answers to the questions appear in Part II of the presentation. Two differentiated versions!

RECOMMENDED READS

“The Sun, The Moon, and Eclipses”

PICTURE BOOKS

Ancient Night (Bowles)
Gray Fox in the Moonlight (Peterson)
Dark on Light (White)
Nigel and the Moon (Eady)
Moon Pops (Baek)
Star of the Party: The Solar System Celebrates! (Carr)
Sun and Moon Have a Tea Party (Heo)
The Moon Keeper (Zosienka)
Eclipse (Rash)
Owl Moon (Yolen)



FICTION NOVELS:

Amira & Hamza: The War to Save the Worlds (Ahmed)
The Total Eclipse of Nestor Lopez (Cuevas)
Race to the Sun (Roanhorse)
Where the Mountain Meets the Moon (Lin)
The Boy Who Climbed Into the Moon (Almond)
Space Case (Gibbs)
The Girl Who Drank the Moon (Barnhill)

POETRY

Comets, Stars, the Moon, and

GRAPHIC NOVELS

Fae and the Moon (Aureliani)
The First Cat in Space Ate Pizza (Barnett)
Saving Sorya: Chang and the Sun Bear (Nguyen)
Apollo: The Brilliant One (O'Connor)
Artemis: Wild Goddess of the Hunt (O'Connor)

NONFICTION

Rocket Science: A Beginner's Guide to the Fundamentals of Spaceflight (Rader)
We Wait for the Sun (Roundtree)
The Sun Is Kind of a Big Deal (Seluk)
Jump at the Sun (Williams)

Editable list of 31 recommended “Sun, Moon, and Eclipses” books. Give out to teachers or send home to parents!

NEW! TAKE-HOME EXTENSION ACTIVITIES!

LET'S TALK ABOUT...ECLIPSES!

Today in the library, we learned about solar and lunar eclipses. Here are some things I learned!



Eclipse Quiz

- What is the diamond ring effect?
- What are the two types of eclipse?
- Which kind of eclipse can damage your eyes?
- What happens on April 8, 2024?
- What is plasma?
- What are some examples of plasma?
- What is a sun bear's favorite food?

(answers on other side)

Sun & Moon Picture

- Nigel and the Moon
- Moon Pops (Baek)
- Star of the Party (L)
- The Moon Keeper
- Eclipse (Rash)
- Owl Moon (Yol)

Sign Language

1. Sign Letter C
2. Tap the C to



Make an Eclipse Snack Pack!

Add to a small paper bag:

- Sun Chips
- Moon pie
- Laughing Cow or Babybel cheese
- (the moon is made of cheese!)

Eclipse

- p
- c

Let's draw a cute sunshine!



1



2



3



4



5

Your Turn:

Make a pinhole projector at home!

1. Cut a pinhole in a box or piece of cardboard.

Eclipse Quiz Answers

- Bright light (looks like a diamond ring) that peeks through just before and just after totality in a solar eclipse.


Students love to show off what they've learned! This is a take-home extension activity for the Eclipse Library Lesson. Includes a short quiz, a few picture books, how to draw, Eclipse snack pack ideas, "sun" sign language, eclipse vocabulary, and how to make a pinhole projector.

MORE LIBRARY LESSONS

INCLUDES GOOGLE™ SLIDES

RAINFOREST STORYTIME


TRIVIA QUESTION
Which of these rainforest snakes is **SYNOUSIOUS** to humans?



emerald tree boa scarlet king snake fer-de-lance

GRADES K-2


"Rainforest Animals"



INCLUDES GOOGLE™ SLIDES

SCIENCE STORYTIME


TRIVIA QUESTION
Which shark is the world's largest?



great white shark basking shark whale shark

GRADES 1-4

"Sharks!"




INCLUDES GOOGLE™ SLIDES

SCIENCE STORYTIME

SIGN LANGUAGE


This is the American Sign Language sign for ocean / sea.



What do you think of when you see this sign?
Does it remind you of ocean waves?

GRADES K-2

"Ocean Animals"



INCLUDES GOOGLE™ SLIDES

LIBRARY STORYTIME

WHICH FLOWER IS THE DAFFODIL?



GRADES K-2


"Spring Flowers"



INCLUDES GOOGLE SLIDES

EARTH DAY LIBRARY LESSON


WOULD YOU RATHER?



sleep as much as a sloth (19 hours/day) OR run as fast as a rhinoceros (55 km or 34 miles per hour)

GRADES 3-6

"Earth Day / Endangered Animals"



INCLUDES GOOGLE™ SLIDES


ELEMENTARY LIBRARY LESSON

TRIVIA QUESTION
In what winter sport might you see a hat trick?

- A. skiing
- B. snowboarding
- C. ice hockey
- D. bobsledding

GRADES K-5

"Snow and Ice"



[Click to see more storytimes](#)