



Solar Eclipse Educational Resource Links

Expectation from: A Framework for K-12 Science Education ESS1.B Earth and the Solar System

The orbits of Earth around the sun and of the moon around Earth, together with the rotation of Earth about an axis between its North and South poles, cause observable patterns. These include day and night, daily changes in the length and direction of shadows, and different position of the sun, moon and stars at different times of the day, month and year. (By the End of Fifth Grade: 5-ESS1-2)

<p>ALL</p>	<p>National Science Teaching Association</p> <ul style="list-style-type: none"> ● Administrator Guide ● Educator Guide ● General Information Guide <p>General Information</p> <ul style="list-style-type: none"> ● https://eclipsewise.com/ ● https://www.greatamericaneclipse.com/ (great animations!) ● Moeclipse.org ● https://www.timeanddate.com/eclipse/in/usa/st-louis?iso=20240408 ● https://eclipse.aas.org/eclipse-america-2024
<p>3-5 Websites</p>	<p>Discovery Education: For districts with an EdPlus partnership Solar Eclipse Channel</p> <p>My NASA Data: select activities for 3-5 include:</p> <ul style="list-style-type: none"> ● Mini Lessons ● Interactives ● Lesson Plans <p>NISE Network: Demonstration: Exploring the Solar System: Solar Eclipse.</p> <p>NASA: Jet Propulsion Laboratory: Epic Eclipse: A “Pi in the Sky” Math Challenge</p> <p>Exploratorium: Explore Hands-on, teacher-tested activities for the classroom and beyond.</p> <p>National Solar Observatory:</p>

	<p>9 Solar Eclipse Lesson Plans and Activity Guides</p> <p>PBS Learning Media (3-5) Solar Eclipses</p>
3-5 Videos	<p>YouTube: SciShow Kids: Make an Eclipse Viewer. (2:54) Jessi and Squeaks show you how to make a pinhole viewer so you can safely watch the solar eclipse!</p> <p>NASA Space Place: What is a Solar Eclipse? (2:06) Whoa! It's the middle of the day—so why is the sky getting dark? It's a solar eclipse! A solar eclipse happens when, at just the right moment, the moon passes between the sun and Earth.</p> <p>Why Solar Eclipses Create Those Crescent-Shaped Lights (SciShow Space)(4:14) Everyone is watching the sky during a solar eclipse, but if you look down, you'll catch another kind of light show. (maybe 2nd graders - but teachers will find this helpful)</p>
3-5 Activities	<p>STAR*net (Science-Technology Activities and Resources For Libraries) Solar Eclipse Activities for Libraries = Sort by Age and Activity Time</p> <p>NASA Science: Activity: How can the little moon cover the Giant Sun?</p>
3-5 Books	<p>American Astronomical Society https://eclipse.aas.org/resources/books-articles</p>

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