

Solar Eclipse 2024

Educational offerings

TO: AOE; VPA; VSA; Libraries;

MESSAGING: On April 8, skies in Northern Vermont will darken during a total solar eclipse, when the Moon completely covers the Sun. This means Vermonters will experience up to three-and-a-half minutes of complete or partial darkness between 3:20 p.m. and 3:30 p.m.—the only total solar eclipse to travel across Mexico, the United States, and Canada during the 21st century!

To help educators and families understand the scope of this monumental event, Vermont Public and the Fairbanks Museum have teamed up to provide some educational resources. Learn what the total solar eclipse is, why it's significant, and how to safely prepare for it. And see all of the ways you can engage and prepare.

February:

We're two months away from the Great American Eclipse, but it's not too early to prepare. Here's what's available to you right now at vermontpublic.org/eclipse:

Activities

Events

Videos

[Interactive Map](#)

Educational Resources - designed to help you lead your classrooms in eclipse-preparation

Pre-K through Grade 2 (add link to one-sheet)

Grade 3 through 5 (add link to one-sheet)

Grade 6 through 12 (add link to one-sheet)

February 26th at 7:00 a.m.- Families with young children can enjoy watching ECHO's Science and Stories special Eclipse episode on Vermont Public's tv broadcast and [Vermont Public's YouTube channel](#). This special episode will also be broadcast on Vermont Public's main tv channel on the following dates/times:

Additional air times for ECHO's Science and Stories special Eclipse episode:

Fri. 3/1 7am-7:30am

Wed. 3/6 9:30am-10am

Tue. 3/12 12pm-12:30pm
Fri. 3/15 10:30am-11am
Wed. 3/20 8am-8:30am
Tue. 3/26 9am-9:30am
Thu. 3/28 1:30pm-2pm
Mon. 4/1 10am-10:30am
Wed. 4/3 11:30am-12pm
Mon. 4/8 7:30am-8am; 9am-9:30am.

Find ongoing news coverage at vermontpublic.org/eclipse

March:

With just a month to go before the 2024 Total Solar Eclipse, here's what's happening:

March 25 - March 29 at 4:48 p.m. - Listen to Vermont Public on the radio or at www.vermontpublic.org each weekday evening at 4:48pm for *Eye on the Night Sky* with astronomy expert Mark Breen from the [Fairbanks Museum and Planetarium](#), or find a link to the episodes at vermontpublic.org/eclipse.

March 27 at 8 p.m. - Watch the tv broadcast premiere of a special program about the total solar eclipse on [Vermont Public](#) and vermontpublic.org, hosted by [But Why](#) host and executive producer Jane Lindholm. Learn the history and mechanics of solar eclipses and why this one is so significant! And learn how to make your own eclipse viewing glasses! You can also catch the coverage on the [Vermont Public YouTube channel](#).

March 27 at 10:30 p.m. - Watch a special television program about the total solar eclipse on [Vermont Public](#) and vermontpublic.org, hosted by [But Why](#) host and executive producer Jane Lindholm. Learn the history and mechanics of solar eclipses and why this one is so significant! And learn how to make your own eclipse viewing glasses! You can also catch the coverage on the [Vermont Public YouTube channel](#).

March 28 at 4:30 p.m. - Watch a special television program about the total solar eclipse on [Vermont Public](#) and vermontpublic.org, hosted by [But Why](#) host and executive producer Jane Lindholm. Learn the history and mechanics of solar eclipses and why

this one is so significant! And learn how to make your own eclipse viewing glasses! You can also catch the coverage on the [Vermont Public YouTube channel](#).

April:

April 1 - April 5 at 4:48 p.m. - Listen to Vermont Public on the radio or at www.vermontpublic.org each weekday evening at 4:48 p.m. for *Eye on the Night Sky* with astronomy expert Mark Breen from the [Fairbanks Museum and Planetarium](#), or find a link to the episodes at vermontpublic.org/eclipse.

April 3 at 7:30 p.m. - Watch a special television program about the total solar eclipse on [Vermont Public](#) and vermontpublic.org, hosted by *But Why* host and executive producer Jane Lindholm. Learn the history and mechanics of solar eclipses and why this one is so significant! And learn how to make your own eclipse viewing glasses! You can also catch the coverage on the [Vermont Public YouTube channel](#).

April 3 at 8:00 p.m. - Watch NOVA's *Great American Eclipse* special on Vermont Public's tv broadcast and stream at <https://video.vermontpublic.org/livestream/>.

Explore the spectacular cosmic phenomenon of a total solar eclipse. In April 2024, the Moon's shadow is sweeping from Texas to Maine, as the U.S. witnesses its last total solar eclipse until 2044. This extraordinary astronomical event will plunge locations in the path of totality into darkness for more than four minutes – nearly twice as long as the last American eclipse in 2017. Learn how to watch an eclipse safely and follow scientists as they work to unlock secrets of our Sun – from why its atmosphere is hundreds of times hotter than its surface, to what causes solar storms and how we might one day predict them

April 5th - Listen to [But Why](#), Vermont Public's podcast for curious kids and adults, for an eclipse-focused episode. Listen at butwhykids.org or in your favorite podcast player.

April 8th at 2:30 p.m. - Watch a special television program about the total solar eclipse on [Vermont Public](#) and vermontpublic.org, hosted by *But Why* host and executive producer Jane Lindholm. Learn the history and mechanics of solar eclipses and why this one is so significant! And learn how to make your own eclipse viewing glasses! You can also catch the coverage on the [Vermont Public YouTube channel](#).

April 8th from 3:00 p.m.-4:00 p.m. - Join [Vermont Public](#) and the [Fairbanks Museum](#) for extensive coverage of this epic event, including live total solar eclipse coverage from *But Why* host and executive producer Jane Lindholm and astronomy expert Mark Breen from the Fairbanks Museum and Planetarium. [Listen live on the radio](#) or at vermontpublic.org; and [watch live on Vermont Public's main tv channel](#), or on [Vermont Public's YouTube channel](#).