

## Solar Eclipse on 8.21.17: What Zion Will be doing to Prepare.

The Department of Health has offered some tips for Eclipse viewing:

The recommendation for small children is to **keep them inside** during the event. It is very difficult to keep them from looking up to see what is happening, and they may sustain eye injuries.

### WHAT IS A SOLAR ECLIPSE?

"This celestial event is a solar eclipse in which the moon passes between the sun and Earth and blocks all or part of the sun for up to about three hours, from beginning to end, as viewed from a given location. For this eclipse, the longest period when the moon completely blocks the sun from any given location along the path will be about two minutes and 40 seconds. The last time the contiguous U.S. saw a total eclipse was in 1979." (Nasa.gov, 2017)



### WHEN IS THE ECLIPSE?

The eclipse will take place on **Monday, August 21, 2017.**

**Begins:** Mon, Aug 21, 2017 at 1:21 pm

**Maximum:** Mon, Aug 21, 2017 at 2:53 pm 0.82 Magnitude

**Ends:** Mon, Aug 21, 2017 at 4:16 pm (Timeanddate.com, 2017)

*Flip over to see Zion ECC's safety procedures...*

## Safety Preparation @ Zion Lutheran ECC on Monday 8/21:

To keep your children safe, we will be keeping them inside during the eclipse.

As exciting and rare as this event is, we are not properly equipped to view the eclipse, therefore we will not put your children at risk by taking them outside during this time.

**Note:** If you will be with your child during the eclipse and plan on having them view it, please remember to view it safely! If you have any concerns about keeping you and your child safe during the eclipse, you can find very helpful information on the website

<https://eclipse2017.nasa.gov/safety>.

## SAFELY observing THE SUN

**WARNING!** Never look directly at the sun without proper eye protection. You can **seriously** injure your eyes.



Check with local science museums, schools and astronomy clubs for eclipse glasses—or purchase an ISO 12312-2 compliant pair of these special shades!



View the eclipse with special eclipse glasses.



Regular sunglasses are not safe to view the eclipse.

SUN FUNNEL



Inexpensive and easy to build, the sun funnel is a device that completely encloses the light coming from a telescope and projects a magnified image of the sun, large enough for many people to view at once.  
<http://eclipse2017.nasa.gov/make-sun-funnel>