

# A Resource Guide to Eclipses & the 2017 Eclipse of the Sun For Librarians and the Public

by Andrew Fraknoi (*Foothill College*)

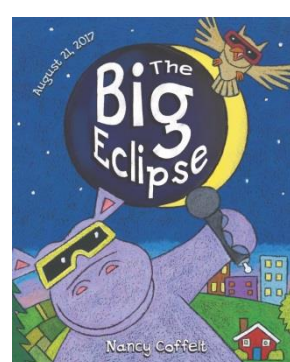
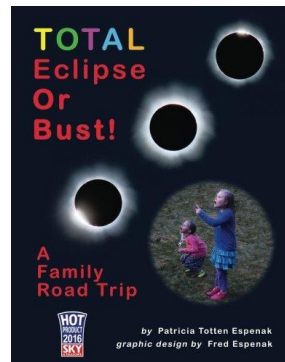
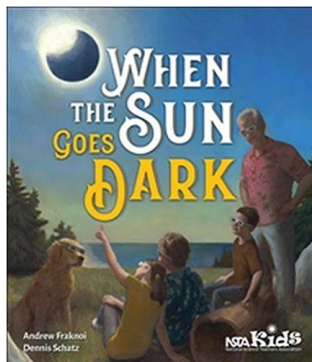
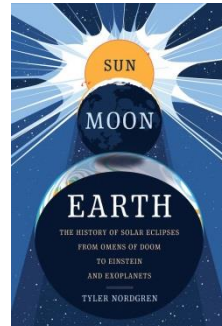
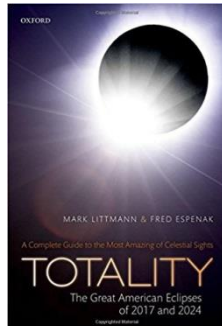
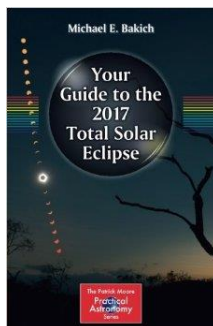
## A Few Popular-Level Books

Bakich, Michael *Your Guide to the 2017 Total Solar Eclipse*. 2016, Springer. Introductory guide to eclipse science, viewing, and travel by one of the editors of *Astronomy* magazine. Has lots of practical advice and clear information.

Littmann, Mark and Espenak, Fred *Totality: The Great American Eclipses of 2017 and 2024*. 2017, Oxford U. Press. Primer on the astronomy and the observation of eclipses, by two experienced astronomy authors. Has many suggestions for traveling to and viewing eclipses.

Nordgren, Tyler *Sun Moon Earth: The History of Solar Eclipses from Omens of Doom to Einstein and Exoplanets*. 2016, Basic Books. An engaging history of the lore and science of eclipses, told as stories that will fascinate readers of all ages and backgrounds.

Schatz, Dennis & Fraknoi, Andrew *Solar Science: Exploring Sunspots, Seasons, Eclipses, and More*. 2015, National Science Teachers Assoc. Press. A book mainly for educators and those who work with them. Features detailed instructions for 45 activities for classrooms, libraries, and nature centers.



## Children's Books

Fraknoi, Andrew & Schatz, Dennis *When the Sun Goes Dark*. 2017, National Science Teachers Association. An illustrated book for ages 9 – 12, explaining eclipses and their fascination. In the form of a story, but including a number of hands-on activities families can do together to understand and view eclipses.

Espenak, Patricia *Total Eclipse or Bust: A Family Road Trip*. 2015, Astropixels Publishing. A family goes on a trip for the 2017 eclipse. This self-published book involves advice from NASA's top eclipse expert. <http://astropixels.com/pubs>  
Coffelt, Nancy *The Big Eclipse Book*. 2016, Orbit Oregon. Brief self-published cartoon book, with many fun facts for younger children.  
Also check out the Jan. 2017 issue of *Dig Into History* magazine for kids, all about eclipses: <https://shop.cricketmedia.com/dig/Dig-Magazine-January-2017.html>

## Articles and Booklets

Bakich, Michael

"The First Look at the 2017 Total Eclipse" in *Astronomy*, June 2015, p. 54;

"Plan Now for the 2017 Eclipse (includes 25 good tips)" in *Astronomy*, Mar. 2016, p. 54;

"Solar Eclipse 2017 (with observing hints)" in *Astronomy*, Aug. 2016, p. 56.

Espenak, Fred & Anderson, Jay "Get Ready for America's Coast to Coast Experience" in *Sky & Telescope*, Feb. 2016, p. 22. (Available as a PDF file at:

<http://www.skyandtelescope.com/wp-content/uploads/2017-Eclipse-Guide.pdf> )

Fraknoi, Andrew & Schatz, Dennis "An Introduction to the August 2017 Eclipse." An 8-page popular-level guide, available as a free PDF file at: <http://bit.ly/2bkGSvA>

Fraknoi, Andrew & Schatz, Dennis "The All-American Eclipse: A Guide for Public Libraries and Their Communities." A 36-page introduction, available as a free PDF file at:

<http://www.starnetlibraries.org/EclipseGuide/>

## Where to Obtain Certified Eclipse Glasses

American Paper Optics: <http://www.eclipseglasses.com/>

Rainbow Symphony: <http://www.rainbowsymphony.com/eclipse-glasses.html>

## Maps for the 2017 Eclipse

Michael Zeiler's Eclipse Map App (with good local information given in local time):

<https://tse2017.maps.arcgis.com/apps/webappviewer/index.html?id=d4cf0c22a2df4b6683ac4cd621aca7a> (Video on how to use: <https://vimeo.com/192379357> )

NASA's Eyes on the 2017 Eclipse App: <http://eyes.jpl.nasa.gov/eyes-on-eclipse.html>

Google Map by Xavier Jubier:

[http://xjubier.free.fr/en/site\\_pages/solar\\_eclipses/TSE\\_2017\\_GoogleMapFull.html](http://xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2017_GoogleMapFull.html)

NASA Eclipse Events Map: <http://sdo.gsfc.nasa.gov/epo/educators/2017eclipse.html>

## Websites about the 2017 Eclipse:

STARNet Libraries Network Eclipse Resource Center (a wide range of educational materials for libraries to use for eclipse education): <http://www.starnetlibraries.org/2017eclipse/eclipse-resource-center/>

American Astronomical Society 2017 Eclipse Page: <http://eclipse.aas.org>

NASA 2017 Eclipse Page for the Public: <http://eclipse2017.nasa.gov/>

The Great American Eclipse Site (by Michael Zeiler): <http://www.greatamericaneclipse.com/>

Eclipse2017 Site (by Dan McGlaun): <http://www.eclipse2017.org>

Meteorologist Jay Anderson's Weather Predictions for the Eclipse Path:

<http://eclipsophile.com/total-solar-eclipses/total-solar-eclipse-2017-august-21/>

University of Colorado Eclipse Resources: <http://www.colorado.edu/fiske/eclipse>

**For Additional Resources**

A more extensive version of this resource guide: <http://www.astrosociety.org/eclipse>