

Sun Science Resources for Libraries Interested in Participating in NASA SunScience4Girls and Their Families Updated January 2014

Hands-on activities:

- NASA Wavelength: <http://nasawavelength.org>
 - A highly useful “one-stop shop” searchable database of NASA-developed science education activities for all levels. **Tip: For Sun-related resources**, enter keywords to your search such as: **Heliophysics** (the science of the Sun-Earth connection), **Sun**, **Solar**, **Eclipse**, Aurora.
- **New (2014) Heliophysics App – DIY Sun Science!**
<https://itunes.apple.com/us/app/diy-sun-science/id836712493?ls=1&mt=8>
 - The DIY Sun Science app, funded by NASA and developed by the Lawrence Hall of Science with help from scientists and educators at the UC Berkeley Space Sciences Lab, allows families and educators to investigate and learn about the Sun at home, at school, or anywhere you go! This app is the second in a series (including DIY Nano) that provides over a dozen free, easy to use, hands-on activities. Plus, view live images of the Sun from NASA’s SDO satellite, videos of the Sun, and much more! Each activity includes material lists, step-by-step instructions, and detailed explanations. The activity materials are widely available and inexpensive—you probably have many of them in your own home.
- Visit NASA's [Sun-Earth Day](#) for all kinds of Sun-Earth connection materials. There is a page of “Make and Take” activities here:
<http://sunearthday.nasa.gov/2008/getinvolved/maketake.php>
- Solar Week – www.solarweek.org -- a lively week of curriculum, games, activities and career advice about the Sun for middle and high school students. Features a twice-yearly interactive bulletin board where students can ask questions of leading solar scientists.
- A link to Citizen Science activities supporting the use of Sun-Spotters in the classroom - <http://www.sunspotter.org/>
- [Space Weather Media Viewer V4](#) Many of the images of the Sun are "near real-time" and come from a variety of NASA missions, including the Solar Dynamic Observatory.
- Traditions of the Sun: The Sun-Earth Connection at Chaco Culture National Historic Park - <http://www.traditionsofthesun.org/books.html> Learners can use the book to learn about the Sun's dynamic nature, explore images from NASA's cutting-edge solar missions and understand more fully the human connection we all have to our Sun. The book also allows learners to see how the Sun-Earth connection is made at Chaco Canyon, including the sunrise over Chaco Canyon's great kiva, celebrations of the changing seasons in the Southwest and the Great Houses whose placement required precise observations of the Sun and stars.
- Star_Net: <http://www.starnetlibraries.org/starnet.html>
 - This site contains science and technology-related activities and resources for libraries. There is also an online community you can join.
- Space School Musical: <http://discovery.nasa.gov/musical/index.cfm>

- Students learn about the solar system through song, dance, and hands-on activities. Suitable for a variety of learning environments, including afterschool.

Information / General resources:

- NASA's Scientific Visualization Studio: <http://svs.gsfc.nasa.gov>
 - Find visualizations and animations about a variety of NASA topics and missions. Search by keyword.

Best practices for engaging girls in STEM:

- SciGirls Seven: <http://scigirlsconnect.org/page/scigirls-seven>
 - Research-based, proven strategies plus a guide to modifying existing activities to incorporate the strategies.

Career Profiles (<http://smdepo.org/post/4909>)

- <http://women.nasa.gov/> - general, women who work in all aspects of NASA
- <http://solarsystem.nasa.gov/people/index.cfm> - [Profiles](#) of both men and women from planetary, Earth, and Astrophysics backgrounds.

Remote Speaker Engagements (<http://smdepo.org/post/4900>)

- Looking for a speaker for a library event? Check out these **Speakers Bureaus**:
 - **NASA:** <http://www.nasa.gov/about/speakers/> Find scientists from your regional NASA center.
 - **JPL Solar System Ambassadors:** <http://www2.jpl.nasa.gov/ambassador/directory.htm> A public outreach program in which volunteers communicate the excitement of JPL's space exploration missions and information about recent discoveries to people in their local communities.