

Solar System Resources for Libraries Interested in Participating in NASA Science4Girls and Their Families Updated January 2014

Hands-on activities:

- NASA Wavelength: <http://nasawavelength.org>
 - A searchable database of NASA-developed science education activities
- Lunar and Planetary Institute's "Explore!" Program: <http://www.lpi.usra.edu/education/explore/>
 - Hands-on activities to engage children in libraries and informal learning environments. Topics include: "Discover Earth", "Marvel Moon", "To the Moon and Beyond", "Mars: Inside and Out" and "Jupiter's Family Secrets" among others. The program also offers occasional free trainings around the country. See the "Resources and Opportunities" link under the "Discussion Boards" section of the Website for more information on training opportunities.
- 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.
- Astrobiology – Science Learning Activities for Afterschool: http://www.nasa.gov/pdf/145916main_Astrobiology.Guide.pdf
 - A progressive series of hands-on activities for students, ages 5-12, in an afterschool or informal education setting.
- Mars for Educators, Kids Etc.: <http://mars.jpl.nasa.gov/participate/marsforeducators/>
 - Find a multitude of educational resources, ways to follow Mars missions via social media, etc.
- International Observe the Moon Night: <http://observethemoonnight.org>
 - This annual, international event celebrates Earth's nearest neighbor. Save the date for 6 September, 2014. The website contains information on how to host or find an event, how to partner with local amateur astronomers to host an event, helpful resources, logos, etc.

Information / General resources:

- NASA's Solar System Exploration website: <http://solarsystem.nasa.gov>
 - Contains information about all of the planets, missions, images, career profiles, educator resources, and more.
- 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.
- NASA's Eyes on the Solar System: <http://eyes.nasa.gov>

- A 3-D environment full of real NASA mission data. Hop on an asteroid. Fly with NASA spacecraft. See the entire Solar System moving in real time. You control space and time.
- NASA's Eyes on the Earth: <http://eyes.nasa.gov/earth/>
 - Travel in time and explore NASA Earth science satellite visualizations in 3-D.
- NASA's Planetary Photojournal: <http://photojournal.jpl.nasa.gov>
 - Explore the latest images from our Solar System and beyond.
- NASA's Mars Exploration Program: <http://marsprogram.jpl.nasa.gov>
 - Learn about all past, current, and future missions to the red planet, find multimedia and educational resources, etc.
- Google Earth, Moon, and Mars: <http://www.google.com/earth/index.html>
 - Take a virtual journey to any location in the world. Also explore the Moon and Mars by selecting their names in the planet icon's drop-down menu in the Google Earth toolbar.

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://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.
- Last year, the OSIRIS-Rex mission created a video that profiles women on the mission: <http://www.lpl.arizona.edu/~duboisr/womenshistory.html>
- Chandra has some "Women the High-Energy Universe" profiles on our blog at <http://chandra.si.edu/blog/women> , and in litho form.
- <http://www.sheisanastronomer.org/index.php/profiles> - Profiles of women astronomers
- <http://www.astrosociety.org/education/astronomy-resource-guides/women-in-astronomy-an-introductory-resource-guide/> - Resources on historical and current female astronomers.
Provides individual bibliographic sources on each figure
- http://www.womanastronomer.com/women_astronomers.htm - Q&A with several prominent women astronomers