

Resources, Resources, Resources! (for teaching Astronomy)

Finding Constellations & Astronomical Objects

- *Audubon Guide to the Night Sky* – This handy reference includes detailed individual constellation charts and quick mythology summaries.
- *Stellarium* – This free planetarium software program shows a realistic sky in 3D, just like what you see with the naked eye, binoculars or a telescope. www.stellarium.org
- *Skymaps.com* – Free printable monthly guides including a detailed sky map, a monthly sky calendar, and a descriptive list of the best objects to see with binoculars, a telescope, or using just your eyes. www.skymaps.com
- *Abrams Planetarium Sky Calendar* – Includes a sky map and a calendar with observing highlights for each night. Well worth the \$11 annual subscription fee. www.pa.msu.edu/abrams/skycalendar/Index.htm

Sources of Cultural Star Stories

- *The New Patterns in the Sky* by Julius Staal – a comprehensive collection of myths, legends, and historical notes about each of the 88 constellations.
- *Star Tales* by Ian Ridpath – Free online version of out-of-print book provides a thorough treatment of all constellations from the Greek/Roman perspective. www.ianridpath.com/startales/contents.htm
- *The Man in the Moon: Sky Tales from Many Lands* by Alta Jablow and Carl Withers - Stories from many lands about the enchantment and magic of the moon, sun, and stars, collected by two anthropologists and folklorists.
- *They Dance in the Sky: Native American Star Myths* by Jean Guard Monroe and Ray Williamson – A collection of star tales from many Native American cultures.

Sources for Science behind the Universe

- *365 Starry Nights* by Chet Raymo – This introduction to astronomy is designed to give you a complete, clear picture of the sky every night of the year. Divided into 365 concise, illustrated essays, it focuses on the aesthetic as well as the scientific aspects of stargazing.
- *Earth & Sky and Stardate* – The websites for the well-known radio programs provide observing highlights for each night. Browse the archives for clear concise scientific explanations and cultural connections for easy-to observe objects and constellations. www.earthsky.org/tonight stardate.org nightsky/
- *Astronomy Magazine* – Contains articles on sky viewing and the latest in astronomy and astrophysics that are readable for non-scientists. Much of the content is available for free on the website. www.astronomy.com
- *Constellation Home Page* - www.astromax.org (information on all 88 constellations and what time of year to see them)
- *The One Minute Astronomer* (www.oneminuteastronomer.com)
- *Jim Kaler's Stars website* (<http://stars.astro.illinois.edu/sow/sowlist.html>)

Activity Resources

- *Astronomical Society of the Pacific* – videos and pdfs of astronomy related curriculum and activities as well as links to other astronomy education programs/websites. www.astrosociety.org
- *Night Sky Network* – activities with videos and pdfs. Current astronomy news and links to partners. <http://nightsky.jpl.nasa.gov/>

Storytelling Resources

- *Crash Course in Storytelling* by Kendall Haven and MaryGay Ducey – For beginning storytellers, this guide provides practical tips for effective storytelling techniques.
- *The Passionate Fact: Storytelling in Natural History and Cultural Interpretation* by Susan Strauss - A guide to the whys and hows of storytelling for the interpreter.
- *Telling Science Like A Story* – A collection of resources, including an extensive bibliography, from a storytelling session at the 2008 ASTC conference, based on the AFGU storytelling workshop. www.astrosociety.org/story

Background Information Resources

- *Nick Strobel's Astronomy Notes* – gives information on a number of astronomical topics. www.astronomynotes.com
- *International Astronomical Union* – astronomical information for the public on many current topics. <http://www.iau.org/public/>
- *Article on light pollution effects on birds* - <http://planetguy.com/articles/light-pollution.html>
- *International Dark Sky Association* – www.Ida.org, www.darksky.org
- *Fatal Light Awareness Program* – birds and light pollution <http://www.flap.org/>
- *Planet Quest* – historical timeline, current numbers of exoplanets found, related articles. <http://planetquest.jpl.nasa.gov/>
- NASA – information about objects in our solar system. <http://solarsystem.nasa.gov/planets/profile.cfm?Object=SolarSys>

Local Resources and Partners – Sullivan County, NH

- *New Hampshire Astronomical Society (NHAS)* – the members will bring their telescopes and knowledge to your school for a Star Party. A typical program orients participants to the night sky through an indoor presentation followed by observing through telescopes. <http://www.nhastro.com/>
- *Keene Amateur Astronomers*– have an observatory in Keene and present at libraries and schools in Cheshire County. <http://www.keeneastronomy.org/>
- *Local Libraries* – NHAS has provided a telescope and activity guide to Fisk Free Library in Claremont, Richards Free Library in Newport, and Abbott Library in Sunapee, NH that is available for loan.
- *Montshire Museum* – has a Star Lab and partners with Sullivan County schools. They do programs at the museum and travel to schools. <https://www.montshire.org/>

Apps for Ipad

- Check out this link for *Astronomy Apps* – keep scrolling for the free ones! <http://appadvice.com/appguides/show/astronomy-apps>