



Pathfinders: Constellations and Stars

This pathfinder will help you research your constellation for the freshman science course Earth and Space so that you can create a tri-fold brochure which includes mythological and scientific information for your constellation.



Search tools: Use the search stations in the library or any computer in the school by using the url address 10.1.9.75:8080 to access the library's catalog to find materials in the library's collection.

Introductory Materials: Use one of the 4 sets of encyclopedias first to obtain a brief description of your constellation. *A Field Guides: Stars and Planets* is a good book to begin your search.

Terms and Keywords: Use the following terms to locate sources in the library collection. Because your assignment includes both scientific and mythological content, you will need to research both constellations and mythology.

- Stars
- Constellations
- Mythology
- Greek mythology
- Classical mythology
- Astronomy
- Astrology
- Individual names of constellations (ie: Orion)

Dewey Numbers: KHS Drew Library Media Center uses the Dewey Decimal System to catalog and organize materials. Begin your search for your individual constellation by using the following Dewey numbers.

- 133.5 Astrology
- 292 Classical Mythology (Greek and Roman)
- 398 Folklore (stories of individual gods, goddesses, etc.)
- 398.362 Folklore of Heavenly Bodies
- 520 Astronomy and Allied Sciences
- 523.8 Specific Celestial Bodies and Phenomena - Stars

Reference Materials to Use: The books marked with a reference sticker do not circulate, but you may use the copy machines free of charge to make copies. Remember to record the bibliographic information of the sources you use. The following is only a partial list of titles available. Browse the section where these titles are shelved to locate more materials.

- *The Ultimate Encyclopedia of Mythology* by Arthur Cotterell (REF 291.13 COT)
- *Greek and Roman Mythology* by Don Nardo (REF 292 NAR)
- *DK Space Encyclopedia* by Heather Couper (REF 520 COU)
- *Encyclopedia of the Solar System* edited by Paul Weisman (REF 523.2 ENC)
- *The Great Atlas of the Stars* by Serge Brunier (REF 523.8 BRU)

Non Fiction Books: These books circulate for 18 days. However, if you prefer to simply make copies of the pages that you need, you may do so. Remember to record the bibliographic information for the sources you use. The following is only a partial list of titles available. Browse the section where these titles are shelved to locate more materials.

- *Symbols of Astrology* by Michael Delmar (133.5 DEL)
- *Mythology of the Zodiac: tales of the constellations* by Marianne McDonald(133.5 MCD)
- *Great Figures of Mythology* by Peter Clayton (291.211 CLA)
- *Greek and Roman Mythology* by Malcolm Couch (292 COU)
- *Greek and Roman Mythology: A to Z* by Kathleen N. Daly (292 DEL)
- *Myths of the Greeks and Romans* by Michael Grant (292 GRA)
- *A Guide to Skywatching* by David Levy (520 LEV)
- *The Usborne Complete Book of Astronomy and Space* by Lisa Miles (520 MIL)
- *The Stargazer's Guide to the Galaxy* by Q.L. Pearce (523.1 PEA)
- *Stars and Planets* by Ian Ridpath (523.1 RID)
- *Stars and Galaxies* by Rebecca Clay (523.8 CLA)
- *Cambridge Guide to Stars and Planets* by Patrick Moore (523.8 MOO)
- *Stars & Planets: a viewer's guide* by Gunter D. Roth (523.8 ROT)

Internet Resources: There are virtually thousands of websites that offer information on astrology, astronomy, constellations, stars, and mythology. Those listed below are reliable, authentic, and credible. If you choose to use other sites, be sure to verify that the sites are reliable and credible sources.

- "The Constellations and Their Stars" <http://www.astro.wisc.edu/~dolan/constellations/> (alphabetical listings with descriptions of the constellations)
- "The Constellations" <http://www.dibonsmith.com/constel.htm> (includes the myth connected to each constellation and the stars that make up the constellation)
- "Your Sky" <http://www.fourmilab.ch/yoursky/> (use this site after the others so that you can input the longitude and latitude of your constellation to obtain a variety of views of your constellation)

FICTION READING: You may want to read a fiction book to supplement your research. Reading fiction books can give you a personal perspective. Here are some fiction books about this subject:

Light Years by Tammar Stein
Go Big or Go Home by Will Hobbs
Dragonback Series by Timothy Zahn