

Constellation Project Handout

10-11

As a wrap-up to our study of astronomy, you will be making a poster project. As part of the project you will pick a constellation to research. You will have three days of computer access.

The paper is to be 2-3 pages in length. It should be typed or printed neatly. The paper should describe the location of your constellation. The constellation should be described in detail, providing the history of the constellation, its size and position in the night sky, the meaning of its name or title, and the declination and right ascension of the stars in the constellation.

The poster is to be a drawing of your constellation. You may put your constellation on a ceiling tile if you wish. You may have to use time outside of class (ie. homeroom, before or after school).

You will be giving a short presentation to the class. The presentation should include: constellation location, meaning of the name, and two or more other facts. The presentation should not be you reading your paper to the class.

Possible web sites for research

www.coldwater.k12.mi.us/lms/planetarium/myth/index.html

www.hawastsoc.org/deepsky/

cms.westport.k12.ct.us/cmslmc/Grade7/science/constellations.htm

www.astro.uiuc.edu/~kaler/sow/const.html

Google Earth

You may use the web sites given above to do your research or you may choose others. Not all of the suggested websites are going to have information on all of the constellations. You must use at least three sites. You also must use at least one text source. You will need to hand in your notes from the web sites and the text source.

Constellation Project Rubric
10-11

Notes

- 0 - not done
- 5 - notes from 1 source
- 10 - notes from 2 sources
- 15 - notes from 3 sources
- 20 - notes from 4 sources

On time

- 0 - neither part done
- 2 - one part done
- 5 - both parts done

Poster accuracy

- 0 - not done
- 3 - done, but not an accurate depiction of constellation
- 5 - done and an accurate depiction of constellation

Paper length

- 0 - not done or less than half the required length
- 2 - half of required length
- 5 - meets length requirement

Use of time in class

_____ points out of 20

Presentation on constellation

_____ points out of 5

Sources

- 0 - not done
- 2 - one web site used
- 4 - two web sites used
- 6 - three web sites used
- 8 - one book used
- 10 - one web site & one book
- 12 - two web sites & one book
- 15 - three web sites & one book

Poster creativity

0 - not done
_____ points out of 5

Paper covering

Description of constellation

- 0 - missing
- 3 - present, little detail
- 5 - present, detailed

Location of constellation

- 0 - missing
- 3 - present, little detail
- 5 - present, detailed

Estimate of star sizes

- 0 - missing
- 3 - present, little detail or wrong
- 5 - present, detailed

History or mythology of constellation

- 0 - missing
- 5 - little detail or wrong
- 10 - little detail and right
- 15 - much detail and right

Declination

- 0 - missing
- 3 - present & wrong for $\frac{1}{2}$ of stars
- 5 - present & correct for $\frac{1}{2}$ of stars
- 10 - present & wrong
- 15 - present & correct

Description of stars

- 0 - missing
- 3 - present, little detail
- 5 - present, detailed

When it is visible

- 0 - missing
- 3 - present, little detail
- 5 - present, detailed

Right Ascension of stars

- 0 - missing
- 3 - present & wrong $\frac{1}{2}$ star
- 5 - present & right $\frac{1}{2}$ stars
- 10 - present & wrong
- 15 - present & right