

Name _____ Due Date _____

Shoebox Planetarium Requirements

Names of Constellations: Circle Your Assigned Constellation

Andromeda – The Princess	Hercules – The Strong Man
Aquarius – The Water Bearer	Hydra – The Water Serpent
Aquila – The Eagle	Leo – The Lion
Bootes – The Herdsman	Lyra – The Harp
Cancer – The Crab	Orion – The Hunter
Canis Major – The Big Dog	Ophiuchus – The Serpent Bearer
Canis Minor – The Small Dog	Pegasus – The Winged Horse
Capricornus – The Goat	Perseus – The Hero
Cassiopeia – The Queen	Pisces – The Fish
Cepheus – The King	Scorpius – The Scorpion
Cetus – The Whale	Sagittarius – The Archer
Crater and Corvus – Cup And Raven	Taurus – The Bull
Cygnus – The Swan	Ursa Major – The Big Bear
Draco – The Dragon	Ursa Minor – The Little Bear
Eridanus – The River	Virgo – The Virgin
Gemini – The Twins	

First Index Card Requirements:

- **Name of Constellation**
- **Nickname of Constellation**
- **# of stars**
- **Season best viewed (Summer, Fall, Spring, Winter)**
- **Name 3 - 4 constellations that border yours**
- **Coordinates in degrees and hours:**
(0 – 23) Hours, (0 – 59) Minutes;
(-90 to + 90) Degrees (+ Northern Hemi, - Southern Hemi)
- **Brightest star:**
 - **Name of star**
 - **Magnitude (- or +) Negative stars are brighter**
 - **Color and Letter– Blue, Blue-White, White, White-Yellow, Yellow, Orange, Red (O, B, A, F, G, K, M)**
 - **Temperature: Degrees in Kelvin or Fahrenheit**
- **Special features found in your constellations (ex. galaxies, nebulae, meteor showers, etc.....)**

Second Index Card Requirements - use black pen or type in black ink

Myth Summary:

Be sure to include the main theme of your myth.

Include:

- **Major Gods and Goddesses**
- **Demi-gods**
- **Mortals**
- **Animals**
- **Props: such as swords, chariots, bow and arrow, helmets, shoes, shields, etc**

Inside of shoebox lid:

NAME

Stars

**MYTH
FIGURE**

Write your name at the top of one end in permanent marker.

Underneath your name, place a picture of your constellation that shows the stars connected.

Place a picture of the mythological figure for your constellation. Use a colorful figure.

Inside Bottom of Shoebox:

Index
Card
#1

Place Index Card #1 near the top

Index
Card
#2

Place Index Card #2 near the middle

How to make the ShoeBox:

1. Place your name on the outside bottom of the shoebox using a permanent marker.
2. Using your ruler, find the center of one end of a shoebox.
3. Place a penny in the center and trace it. This will be your viewer.
4. Using a scissor carefully bore out the cardboard so that the view hole is the size of the traced penny.
5. Place the lid on the shoebox.
6. On the opposite end, draw a line where the lid meets the side. Take lid off.
7. Using your ruler, mark 2 cm from the bottom, and 2 cm from each side.
8. Cut out the rectangle
9. Cut your black construction paper so that it will cover the rectangular opening.
10. Using a white crayon, carefully draw your constellation's stars onto the black paper. (You might want to use tracing paper to copy your constellation and then place it on top of the black paper. Poke holes through the tracing paper and black paper.)
11. Make **larger** holes for **brighter** stars and **smaller** holes for **dimmer** stars.
12. Place the black paper inside the box to cover the rectangular opening. Be sure that the constellation is facing you, not the outside of the box.
13. Tape paper to box.



***** Decorate your shoebox with construction paper and designs of your choice. Be sure to cover all sides of the box and make it visually appealing and interesting. *****