



## Stars Have Stories *Where are the stars?*

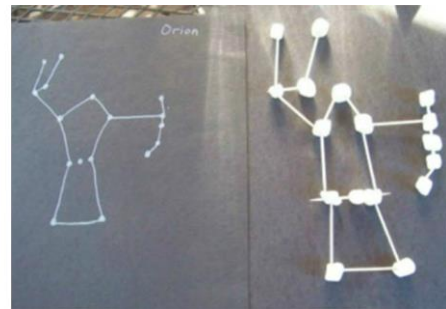
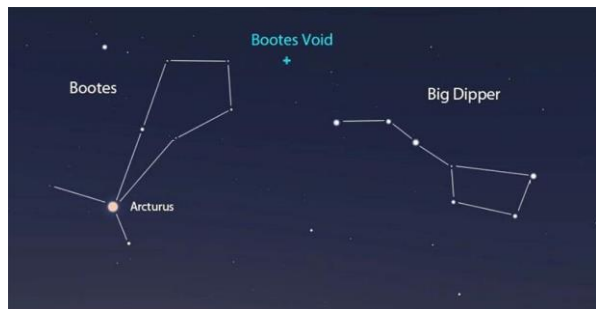
### Week Two - At Home Activities

*Presented by the UWM Alumni Association and UWM Manfred Olson Planetarium.*



### Create a Constellation

- Choose which constellation you would like to create from the photos below or those shown in today's presentation. Do you notice how Bootes looks like a sugar cone with a huge scoop of ice-cream?
- First draw your constellation on a piece of paper – then, decide how you'd like to build it!
  - o Use chocolate chips, dry cereal, or raisins...or if you'd like to be even fancier, use marshmallows and toothpicks to form your constellation!

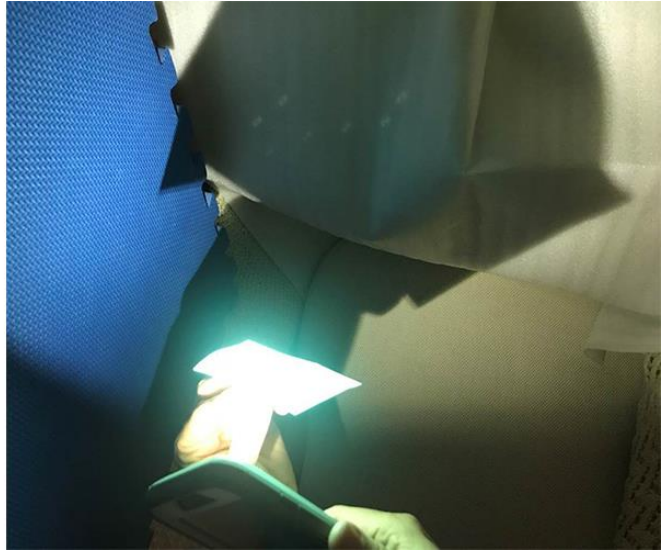


- **BONUS ACTIVITY!** Create your very own constellation and give it a neat name.
- What is your constellation's story? Can you write a 2-3 sentence story about it?
- Then, share your constellation with the UWM Planetarium! Ask an adult to help you email your first name, a picture of your constellation, and your constellation story (if you have one) to [planetarium@uwm.edu](mailto:planetarium@uwm.edu). We will share some of those submitted on our social media sites!



### Build a Home Planetarium

- Create your planetarium "walls" by putting several chairs with their backs inward to make a circle or square that is small enough to be covered by a blanket and large enough to crawl in.
- For your ceiling, use a blanket that is a light color and as smooth as possible. Then add a quilt (or several heavier blankets) that do not allow light in.
- Make sure that your blankets reach to the floor or use cardboard to surround the planetarium at the bottom so not too much light leaks into your planetarium "dome" from below.
- With help from an adult, use a sewing needle to poke holes in a paper to make the constellation shape that you want.
- Then, go in your planetarium with someone else to look at stars together!
- Shine a bright light (a cell phone's flashlight works well) and adjust the distance between the paper and the phone and between the paper and your planetarium ceiling so you can see your constellation(s) projected on the ceiling. Try different shapes and tell stories about these constellations...and have fun!



For other fun activities including virtual tours of the night sky and Dr. Jean telling her story about Perseus, check the UWM Planetarium website: <https://uwm.edu/planetarium/>

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