

Create A Constellation



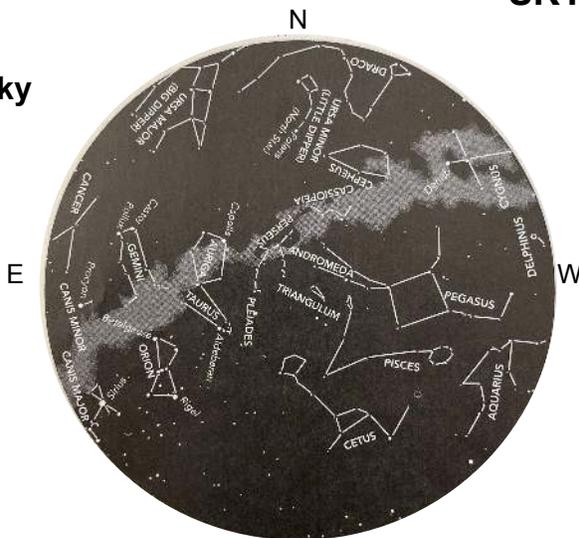
STEM • GET OUTSIDE!

A constellation is a grouping of stars in the night sky that represent a figure or an object. Due to light pollution, some stars and constellations may not be visible or as bright in some areas. We are inviting you to get outside and participate in Globe At Night (globeatnight.org)! Become a citizen-scientist, measure and submit your data, all while raising awareness of the impact of light pollution! After you have submitted your data, check out this activity and create a constellation!

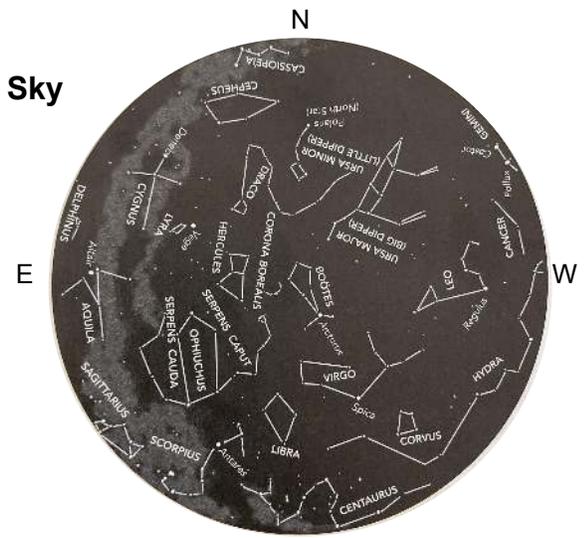
First, use the sky maps (star charts) below and study the constellations! Hold the appropriate chart and turn it so that the direction you are facing is at the bottom. If you are facing East, turn the chart so *E* is at the bottom. Which star chart should you be using right now?

SKY MAPS

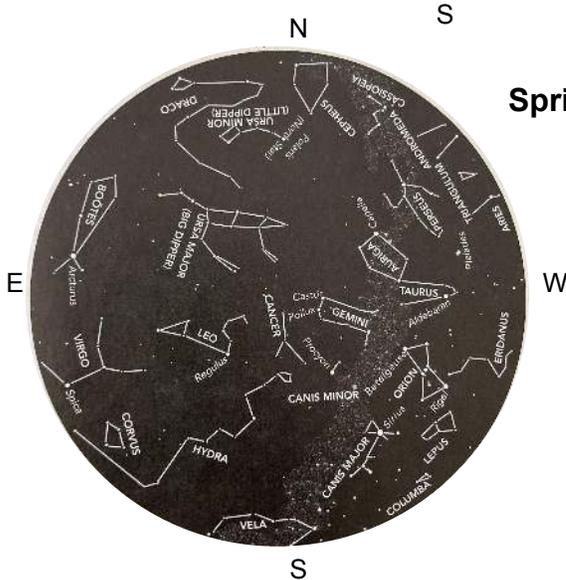
Winter Sky



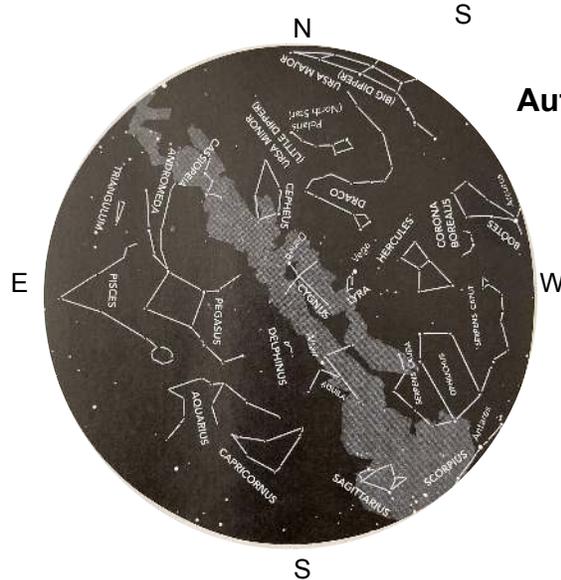
Summer Sky



Spring Sky

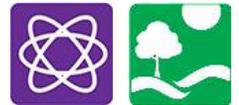


Autumn Sky



Pearson

Create A Constellation

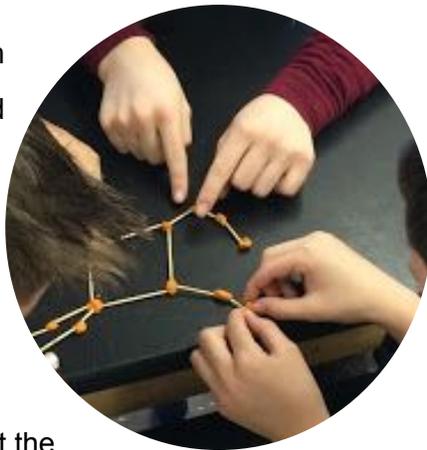


Materials:

- Clay or Play-doh (you could even use mini marshmallows!)
- Toothpicks
- Sky Map

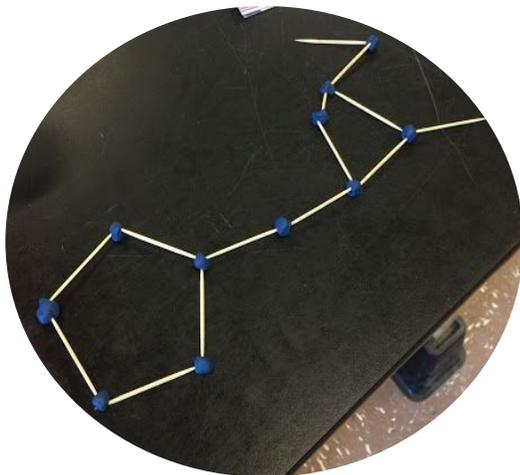
Directions:

Use the Sky Map from the previous page and pick your favorite constellation.



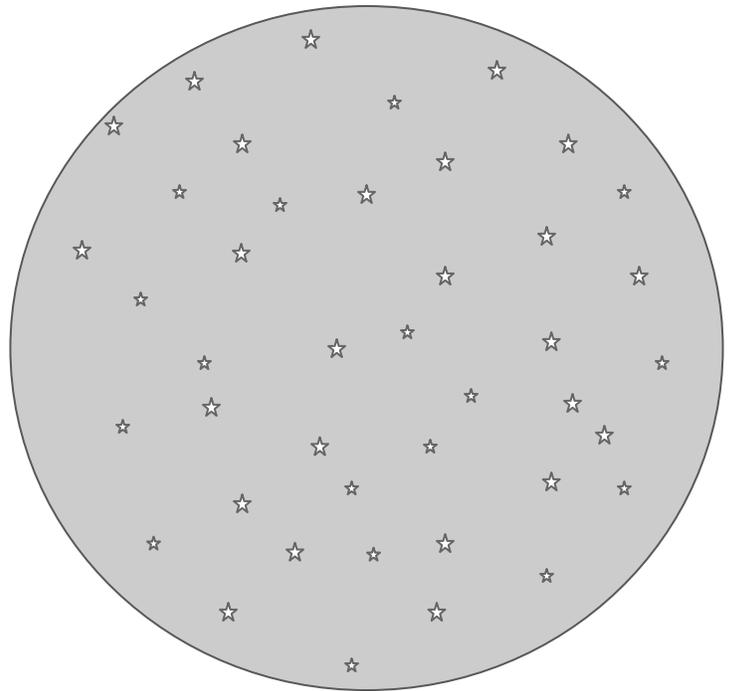
Now it is time to build!

The clay will represent the stars in the constellation, use the toothpicks to attach the “stars” and bring the pattern together!



Can you guess the name of this constellation?

Use the picture below to design your own constellation!



The name of my constellation is:

The shape of my constellation is:

I chose this design because:

Optional: Once you have designed your constellation, (with adult supervision) carefully poke out the stars, leaving holes in the paper. Take the paper and a flashlight to a dark room then watch your constellation come to life!

