

Simple Star Mobile

Scripture: Job 38:32, Psalm 147:4

Stars hanging in the sky amaze us. They also reflect the majesty of God and his presence throughout the universe. This mobile is a basic one with only one long line that holds objects. Look up constellations and find a few you want to make.

What To Do

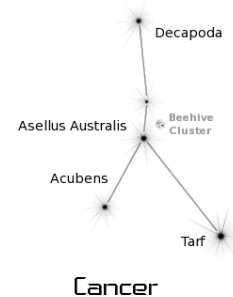
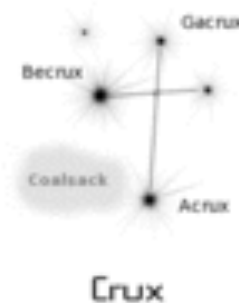
1. Punch a hole in the top and bottom of the star.

For each constellation

2. Draw tiny dots on one circle for the stars in the constellation. Layer the two black circles and punch holes on the dots.
3. Cut a foil circle to fit inside two of the black circles.. Glue or tape the foil to one black circle.
4. Glue or tape the other black circle on top of the other side of the foil. The foil will shine through. Draw the lines between the stars to show the constellation's shape.
5. Punch a hole in top and bottom of the completed constellation circle. Only one hole needs to be punched in the last constellation made.

Assemble the mobile

6. Mobiles are usually put together from the bottom up. Use a silver chenille piece and slide one end through the top hole of a constellation. Put the other end of the chenille stem through bottom hole of the next constellation.
7. Use another piece of chenille to connect the top constellation to the star.
8. Open paper clip's center so there's a hook at each end. Slide on hook through top of star. Use the other hook to hang the mobile.
9. Add words to the star such as 'Shine like the stars.'" (Daniel 12:3 and Philippians 2:15)
10. Find patterns at <https://www.pdclipart.org/thumbnails.php?album=110&page=1>



5. STEAM Lesson Extension: Stars **Use with craft #18 and 62**

Star gliders can help us think about stars and falling or shooting stars.

Star Facts

- 9096 stars are visible to the naked eye (no telescopes)
- Stars last billions of years
- Some stars are 100 times more massive than the sun in our solar system. Our sun is a star, and its name is sol.
- All stars have the same chemical composition (meaning same ingredients) created by nuclear fission that requires hydrogen. The hydrogen turns into helium.
- Stars change all the time in pressure and chemical makeup. They keep adjusting to balance outward and inward pressure.
- Stars do not twinkle. As the light passes through our atmosphere it deflects light to cause it to look like it is twinkling.
- The earth orbits the sun.

Look up more star facts and write down what you discover

- Sizes of stars
- Read about star phases and list facts
- Find out about red cool stars and blue hot stars.
- Look up estimates of the numbers of stars in the universe.
- Find out details of how stars are formed and how many are formed each day.

Exercise

Look up what constellation you can see in the night sky.

Use star gliders or star shapes to lay out the constellation on the floor.

On a clear night try to find that constellation. Look for the north star too.

Exercise

Look up the date of the next meteor shower and stay up to see it.

Technology Exercise

Use a telescope (borrow one if you don't have one), try to go to a place with no electric lights, and see how stars and other objects in the sky look closer up. Write your observations.

Visit a planetarium to learn more about the night sky.