



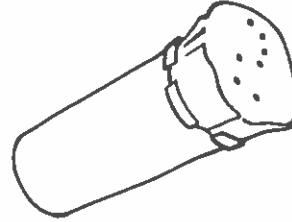
A Sky Full of Stories



Craft: Constellation Viewers

What you need:

- Cardboard tubes
- Scissors
- Glue sticks
- Pencil
- Crayons and markers
- Star stickers
- Constellation Patterns on page 249 (one per child)
- Flashlight (optional)



What you do:

1. Print out the Constellation Patterns.
2. Hand out a cardboard tube to each child and ask them to decorate it using crayons, markers, and stickers.
3. Give each child a constellation pattern to place over one end of their tube. Glue the edges of the pattern into place around the tube.
4. Use a sharpened pencil tip to gently poke holes through each of the black stars in the viewing disc.
5. Hold the viewer to your eye, pointed toward a light. In the viewer you will see the outline of a constellation as it would appear in the night sky, with the holes marking the stars in the constellation.
6. Alternately, use a flashlight to shine through the opening of the viewer and project the constellation onto a wall.

Books to Share: *Look Up: Henrietta Leavitt, Pioneering Woman Astromer*, by Robert Burleigh; *On the Night of the Shooting Star*, by Amy Hest; *How Many Stars in the Sky?* By Lenny Hort; *Northern Lights*, by Nick Hunter; *How to Catch a Star*, by Oliver Jeffers; *Stars*, by Mary Lyn; *Coyote Places the Stars*, by Harriet Peck Taylor; *Sky Sisters*, by Jan Bourdeau Waboose.



A Sky Full of Stories



Game: Pass the Star **V** **☾**

What you need:

- Cardboard
- Aluminum foil
- Scissors
- Glue

What you do:

1. Before the game, cut two large stars from cardboard. Cover them with aluminum foil and glue to secure. Note: This is a great project for teen volunteers.
2. Divide the children into two groups. Each group should stand in a circle.
3. Name one child in each group the "astronomer" and hand them a cardboard star. When the signal is given to start, the astronomer passes the star to the child on their left.
4. Play continues as the star is passed around the circle twice, as quickly as possible. When the star returns to the astronomer after the first pass, everyone should call out "one." Upon the second pass, call out "two" and stop passing the star.
5. The first team to finish gets to choose an action for the other team to perform, such as:
 - Do a spacewalk: walk with large, dramatic movements like you're walking in low gravity
 - Jump to the stars: jump up and reach for the sky five times
 - Orbit the sun: walk one orbit all the way around the other group's circle
6. Repeat the game several times, passing the star differently each time: around your back, between your legs, over your head, etc.

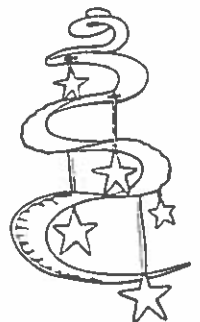
Craft: Twirling Stars Mobile **☾**

What you need:

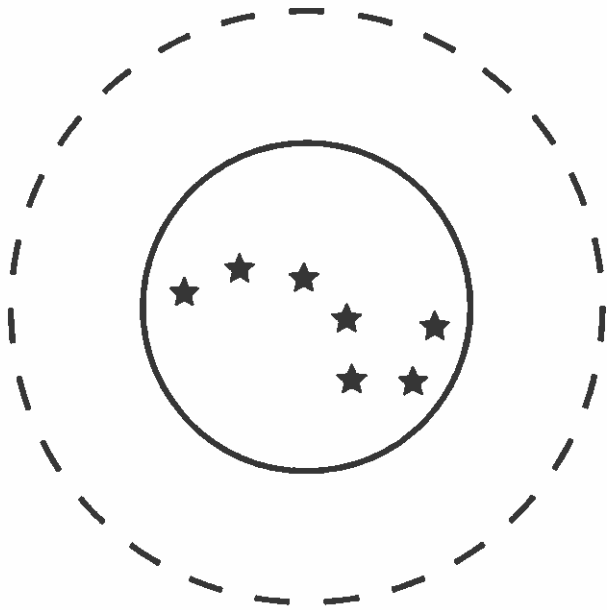
- Die-cut construction paper star shapes, or a couple of card stock stars to use as a template
- Crayons or markers
- Glue
- Construction paper
- Scissors
- Glitter and/or sequins
- Paper plates
- Thin ribbon, yarn, or string

What you do:

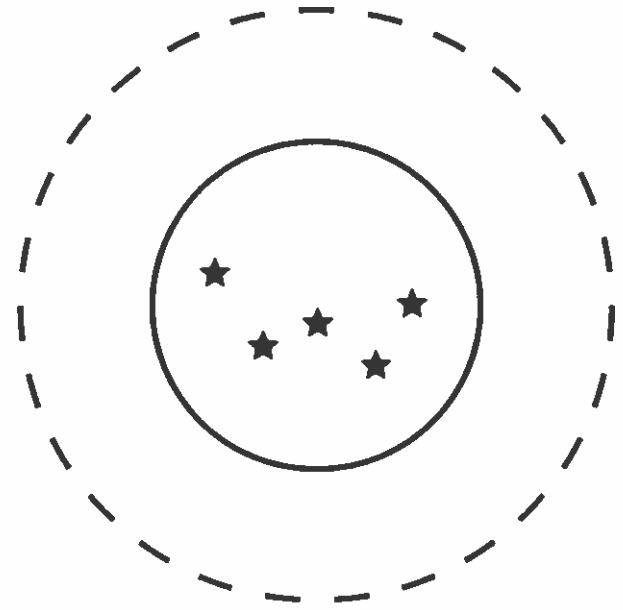
1. Children will need 5–10 construction paper stars to decorate with glitter or sequins.
2. Give each child a paper plate to color and decorate as their night sky.
3. Each child can draw a spiral on the plate: start on the outside edge of the paper plate and spiral around until they reach the center of the plate. Using scissors, they can cut directly on that drawn line.
4. Cut several different lengths of ribbon. Tape or glue a star to one end of each ribbon and attach the other ends along the underside of the paper plate spiral.
5. Tie a ribbon at the top of the spiral's center for hanging.



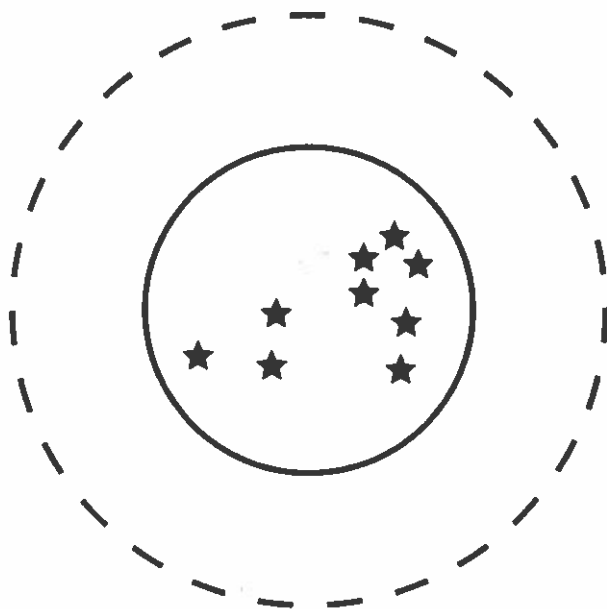
Constellation Patterns



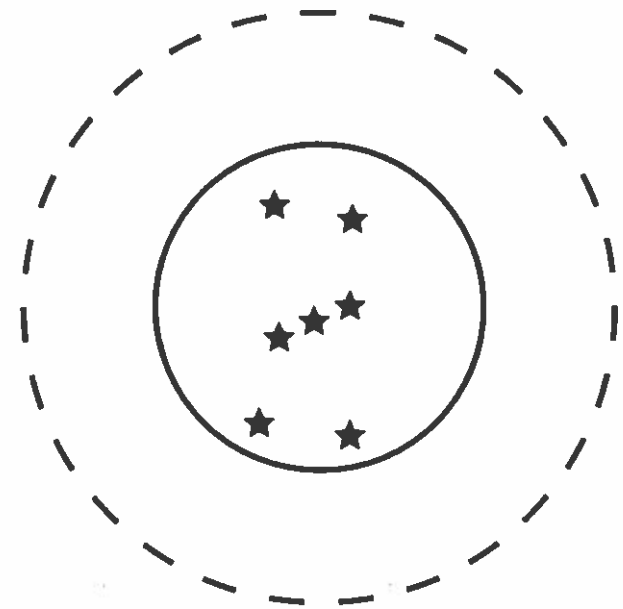
The Big Dipper: part of the Great Bear



Cassiopeia: the Queen



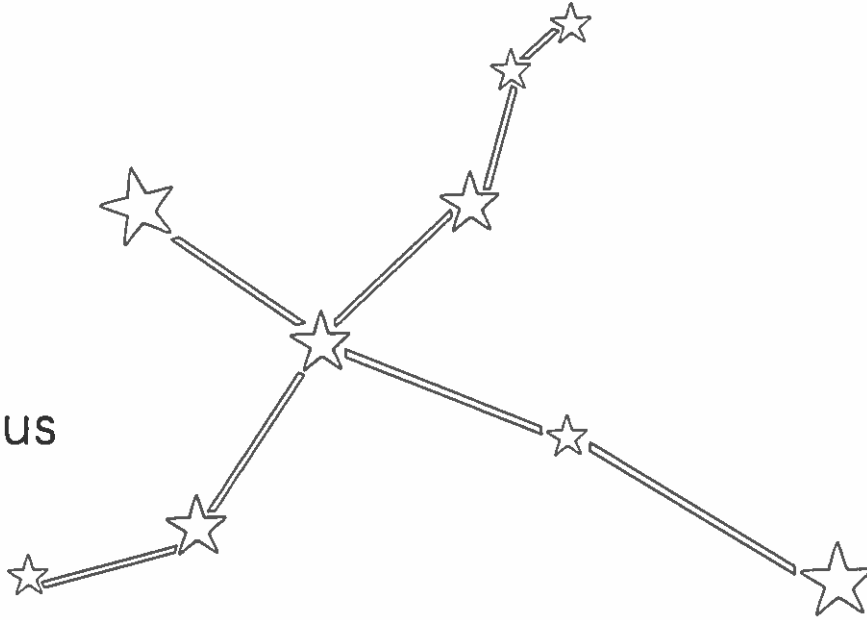
Leo: the Lion



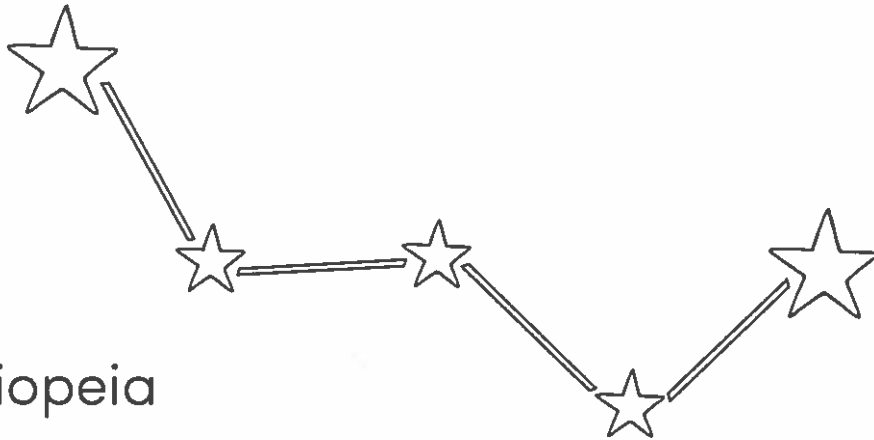
Orion: the Hunter

Life-Size Constellations

Cygnus



Cassiopeia



Lyra

