

Stargazer Flashlight

Materials Needed:

- Flashlight (with the light end about the same size as the cupcake paper liner bottom)
- Black Construction Paper (must be thick so that the light does not shine through)
- Scissors
- Paper Cupcake Liner
- Pencil
- Rubber Band
- Cardboard



1. Trace the end of your flashlight

- Place the flashlight light down on the black paper and trace the light



2. Cut out the circle

- It is good to cut a little outside the line so that the Black paper is slightly larger than the light end of the flashlight



3. Draw dots on the circle for each star in your chosen constellation.

- Search for a picture of a constellation
 - a. Big Dipper
 - b. Cassiopeia
 - c. Orion
- Draw dots on the black circle for each star



4. Glue the black circle paper onto the bottom of the cupcake liner using a glue stick.



5. Poke holes to make the stars on the black circle

- Turn the cupcake liner inside out
- Place with the black circle up on a piece of cardboard
- Using a sharp pencil or a pen, carefully poke a hole through both the black paper and the cupcake liner
- Use your pencil to make the holes a little larger



6. Place cupcake liner over the end of the flashlight and secure with a rubber band

- Turn cupcake liner right side out before covering flashlight



7. Turn on flashlight and take into a dark room. Depending on the size of the star holes, you may want to test with your flashlight at different distances from the wall.

