



SEGMENT INSTRUCTIONS

Constellation Jar

Looking up at the stars at night away from city lights is fantastic. For cloudy nights, or where there's a lot of light pollution, you can bring the night sky inside with a Constellation Jar!

(Adapted from <https://craft.ideas2live4.com/2015/04/24/diy-constellation-jar-lamp/>)

Materials:

- Glass jar. Must fit a click-light or a battery-powered tea light inside.
- Aluminium foil barbecue pan. You can use aluminium foil, but it's not as sturdy.
- Click-light, or battery-powered tea light. Do not use a real tea light or a candle.
- Permanent marker.
- Something to punch small holes with, like a thin screwdriver, a pin, or a sewing needle.
- Scissors.
- Spoon.

Instructions:

- Cut a long rectangle from the foil pan which will fit inside your jar. Use your jar to measure it. It should be tall enough to reach from the base to the lid of your jar, and wide enough to fit around inside.
- Flatten the foil with a spoon.
- Draw the constellations onto the rectangle with a permanent marker with a dot for each star and lines between them. Use the Star Map in the [GGTV STEM resources](#) to find southern hemisphere constellations.
- Punch a hole for each star using a sewing needle or thin screwdriver.
- Make smaller holes around the constellations – use a pin for this so the larger holes create “brighter stars”.
- Roll the foil so it fits inside the jar. You can fold the foil at the top to keep it in place or use some sticky tape.
- Place your foil inside the jar, put the light inside, turn it on, and put the lid on.
- Turn off the lights and enjoy your night sky!

