



**Newcastle
Libraries**

Instructions

**PDF
Instructions**

Light Up Lighthouse

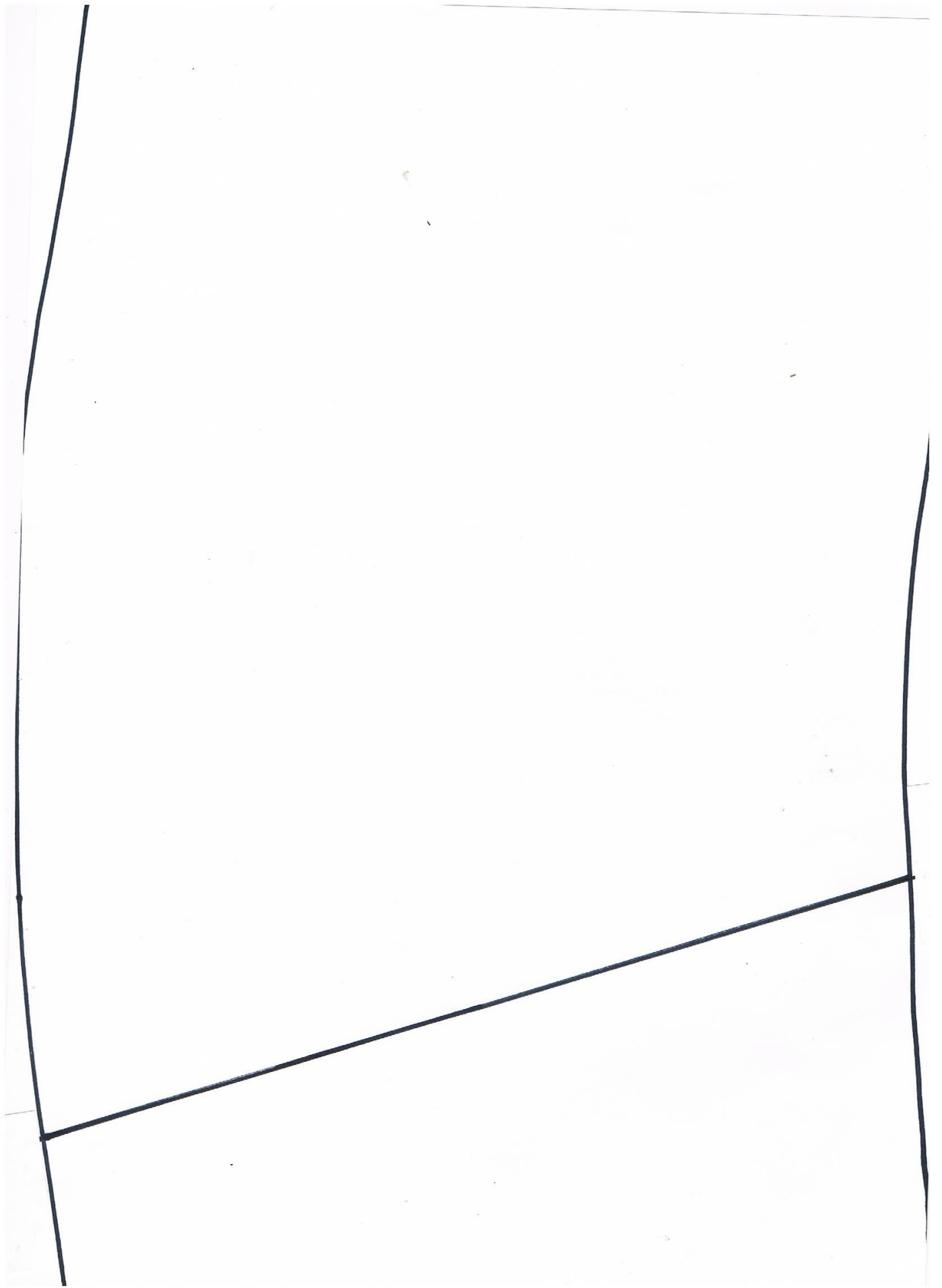
Requirements

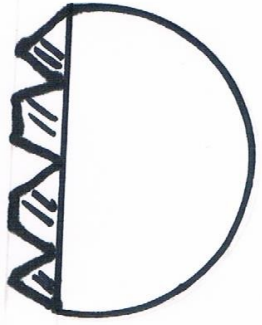
- 2 x A4 sheet of card (old cereal box is a good substitute)
- 1 x clear mini fruit cup or clear plastic cup
- Stapler
- Pencils/textas for colouring
- Glue
- Blue tac
- Sticky tape
- Optional – battery operated tea light, red electrical tape



Instructions

- Print off template sheets
- Cut out all pieces
- Roll the body of the lighthouse round to match with the marked line and glue and staple into place to hold. Keeping the base line level, the top of the card will finish about 1cm down from the top.
- Colour the body of the lighthouse, add doors and windows, you can create any design strips swirls or just colours (I coloured in a few scraps of paper black, cut squares and rectangles to add windows and door and used red electrical tape to make the red design)
- Colour the base circle (grass or rocks colour)
- Run a few craft glue on the base to hold the base to the base of the lighthouse in place. Leave to dry.
- Colour the flame, and fold the small square at the bottom of the flame backwards, glue it into the small circle on the landing. Or if using a battery operated tea light cut out the small circle on the landing, spread some craft glue the top of the tealight and by poking the flame of the tealight through the hole stick the tealight to the under side the landing. Hold in place until dry.
- Now take the cover piece, fold the flaps at the bottom backwards and glue them around the edge of the small circle on landing around the flame.
- Attach the upside down clear plastic cup or fruit cup to the landing using sticky tape around the edge.
- If you have used a battery operated tealight, use sticky tape on one side of the landing to attach it to the body of the lighthouse, this will allow you to flip open the top to turn the light on and off. Place a little bit of blu tac on the other side of the body to keep the landing into place.
- If you have coloured your flame, run some craft glue around the top rim of the body and attach the landing.
- Your light house is done.

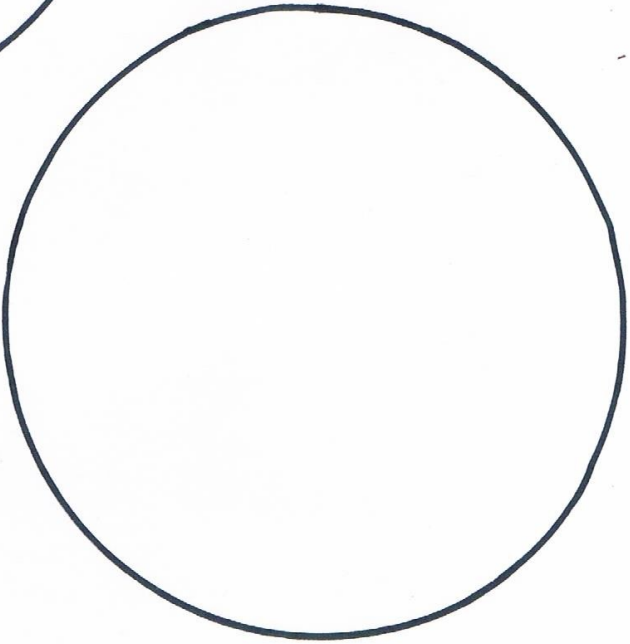




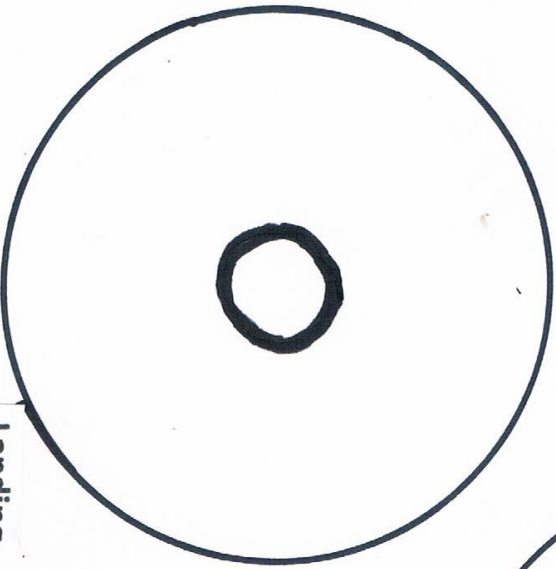
Cover



Flame



Base



Landing

Lighthouse facts

- A Lighthouse is a tower with a bright light at the top, located at an important or dangerous place to serve as a navigational aid and to warn boats of dangerous areas.
- A lighthouse is like a traffic sign on the sea.
- The first lighthouse was Egypt's Pharos of Alexandria, built in the third century BC, and is One of the Seven Wonders of the Ancient World. It was destroyed by volcanic activity.
- The world's oldest existing lighthouse is considered to be Tower of Hercules, standing at the entrance of Spain's La Coruña harbor. The lighthouse, which was erected in the first century, is still operational.
- The tallest lighthouse in the world is the Jeddah Light in Saudi Arabia, it is 133 meters tall.
- Lighthouses are painted differently to help sailors identify them against the surrounding environment during the day.
- The height of a lighthouse takes into account the curvature of the earth, so the higher light above the high water mark the further away it can be seen at sea. This is why you will frequently get shorter lighthouses on the top of cliffs and taller lighthouses built nearer the water surface.
- Originally lighthouses were lit with open fires, only later progressing through candles, lanterns and electric lights.
- Lighthouses use Fresnel lens for their lights, these are a type of composite compact lens that can capture more oblique (sideways) light from a light source, allowing the light to be visible over greater distances.
- Australian has more than 350 coastal lighthouses and one inland lighthouse.

Lighthouse Quiz

Find the mystery word

1. What is the name of Newcastle's light house? _____ Lighthouse.
2. As an island continent, this country has 350 lighthouses around its coast. Which country is it? _____.
3. Lighthouses are very popular tourist attractions, as they provide a great _____ of the coastline?
4. The southernmost lighthouse in Australia is in Tasmania on Maatsuyker _____?
5. Cape Otway lighthouse is located on what Australian iconic road? _____.
6. What city was the location of the oldest lighthouse in the ancient world? _____.
7. What is the name of the oldest standing lighthouse? The _____ of Hercules?
8. Port Malcolm lighthouse in South Australia is the only _____ light in the southern hemisphere?
9. Australia's oldest lighthouse is in Victoria at Cape _____?
10. Nobbys lighthouse guide ships in the Port of _____?

Write down the first letter of each answer to reveal the mystery word.