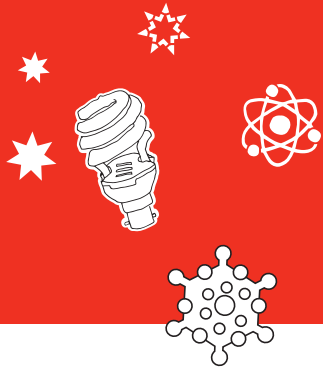




Towering Triangles

In your pack you have:

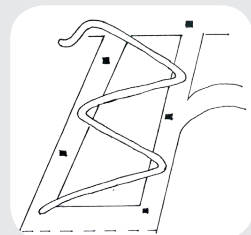
- Eiffel Tower template
- Black card
- PVA glue
- Wool
- Plastic cup
- Lolly stick
- Glitter
- Stick-on beads
- Paper clips
- Drinking straw

You also need:

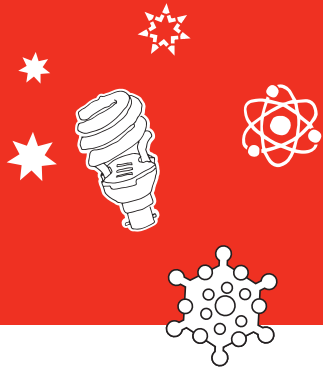
- Scissors
- A pencil
- A ruler
- Sticky tape
- A cover for your workspace

Your mission: Create a model of the Eiffel Tower!

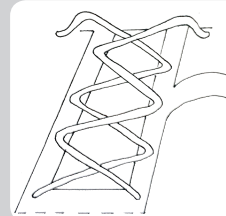
- 1** Cut out the Eiffel Tower template along the solid lines, including the sections inside the Tower. Draw around your template on the black card, and cut the same shape out of the black card including the inside sections.
- 2** Now for the messy bit! Make sure your work surface is covered and your sleeves are rolled up! Squeeze 1/2 the glue into the cup, and add the same amount of water to it, then mix together well with the lolly stick.
- 3** Cut 11 lengths of wool, each around 20cm long, and dunk them in the glue mixture. Use the lolly stick to stir the wool around, making sure each length of wool is soaked in the glue. Best to do one length of wool at a time!
- 4** Using the white template, take a length of your gluey wool and stick one end to the dot in the corner of the Tower leg. Zig-zag the wool across to each dot along the Tower leg, up to the first platform. These are the tower's iron lattices! You can use paper clips to hold the ends of wool in place if necessary.



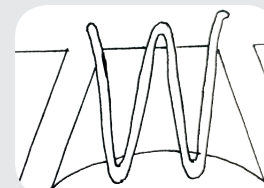
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- 5** Take another length of gluey wool and do the same again with the square markings, so that your two lengths of wool criss-cross each other. Sprinkle the wool with some glitter while the glue is still wet.

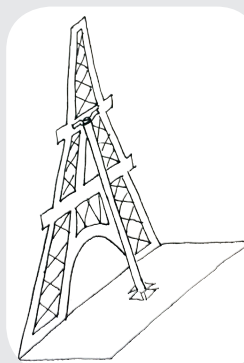


- 6** Repeat this process on the other leg, middle sections and top section of the Tower. For the section above the arch, use your final length of wool to join the triangle markings, making a 'W' shape.



- 7** Cut off any loose ends of wool and remove the paper clips. Dab some glue around the woolen template and stick the black cut-out Tower on top of it, sandwiching the wool in between the two. Rest the straw under the middle of your Tower to raise it up, so your Tower doesn't stick to your work surface! Leave to dry for an hour or two, until the wool is hard.

- 8** Fold the bottom panel backwards under the Tower, and tape the drinking straw from the bottom panel to the top platform to prop up your tower. If you want to add lights, stick the sparkly beads around the black tower frame. Et voilà! Eiffel Tower complete!



Test it!

What other towers and structures have you seen that use triangular shapes?



Share it!

Ask a grown up to post a photo of 'your' Eiffel Tower on the Curiosity Box Facebook page.

Activity 3: Towering Triangles

Eiffel Tower Template

