

Make your own 3D model of Slieve Gullion

Slieve Gullion is a distinctive mountain in the heart of the Ring of Gullion. Its top is 573m above sea level and is home to the highest Neolithic (New Stone Age) Passage Grave in Ireland. The rocks of Slieve Gullion formed from magma (molten rock) cooling slowly underground around 58 million years ago, it has since been moulded and shaped by the elements, especially ice, into the shape we see today.

You can make your very own 3D model using corrugated card and a contour map. A contour is what map makers use to mark out areas that have the same height above sea level.

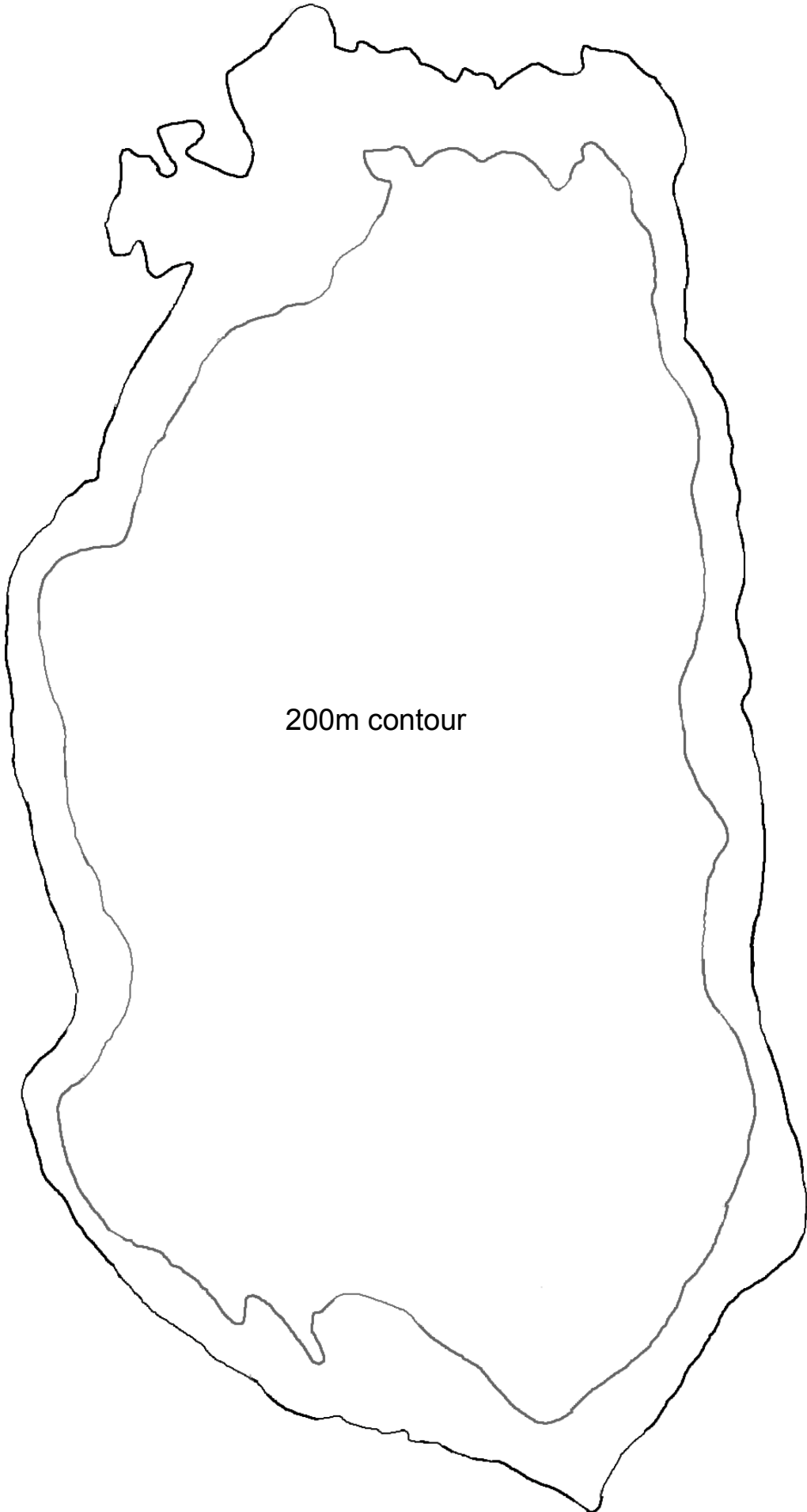
You will need:-

- Thick corrugated card
- Scissors
- Contour print-outs
- Glue (Pritt stick or PVA)
- Poster paint

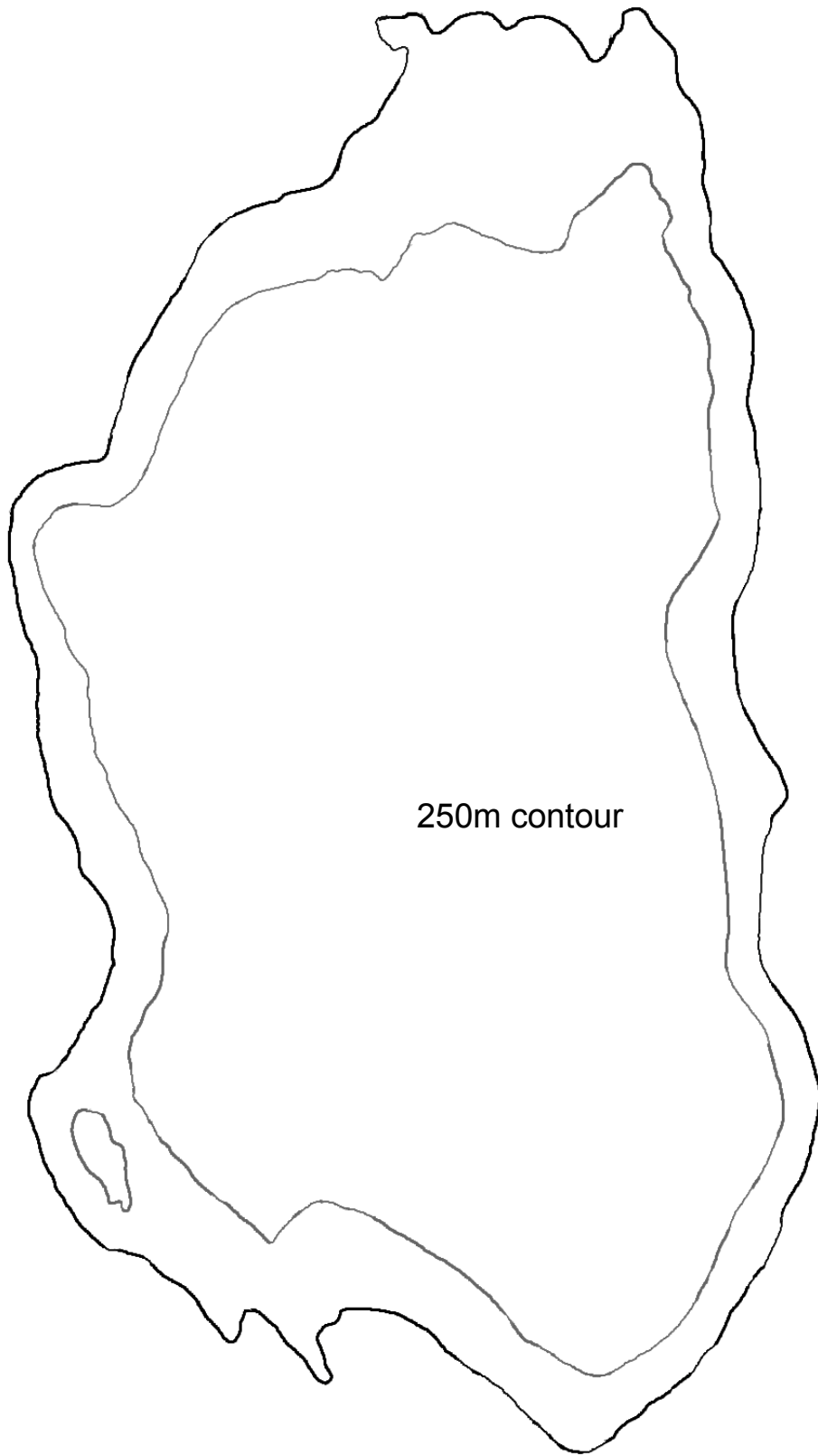
Instructions:-

1. Roughly cut out the different contour outlines and stick them to the corrugated card. Make sure you leave yourself enough room to cut around all the contours.
2. Neatly cut around the black lines of each contour map.
3. Put glue on the bottom of the 250m cardboard contour, then carefully line it up with the grey outline on the top of the 200m contour piece and stick it down. (You may need an adult to help you with this).
4. Repeat for the other contours so that the smallest number is on the bottom and the biggest number (550m) is on the top.
5. All the contour lines are showing a 50m increase in height in the real world (roughly 10 double-decker buses stacked one on top of the other), except for the red 570m. If you want to add the 570m contour to your model, squash the 570m piece of cardboard to make it thinner (it may need trimmed as well), then stick it to the top.
6. Paint your model with poster paint; if you like you can use a map of Slieve Gullion to make your model more detailed by adding forests, rivers and labels to any key features.





200m contour



250m contour

