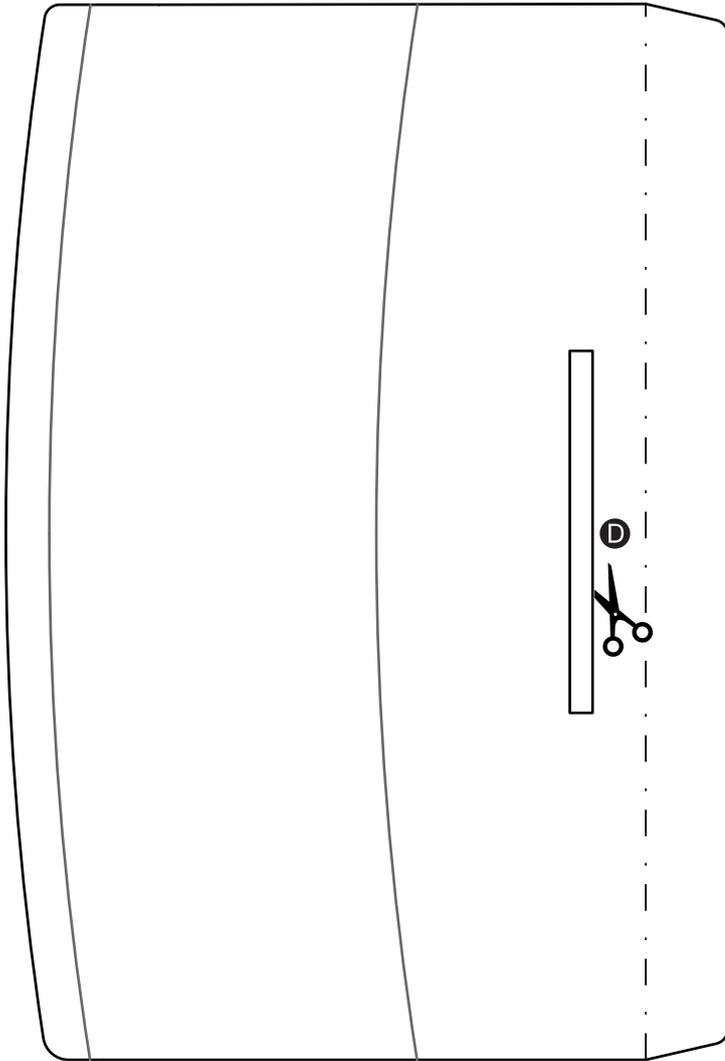


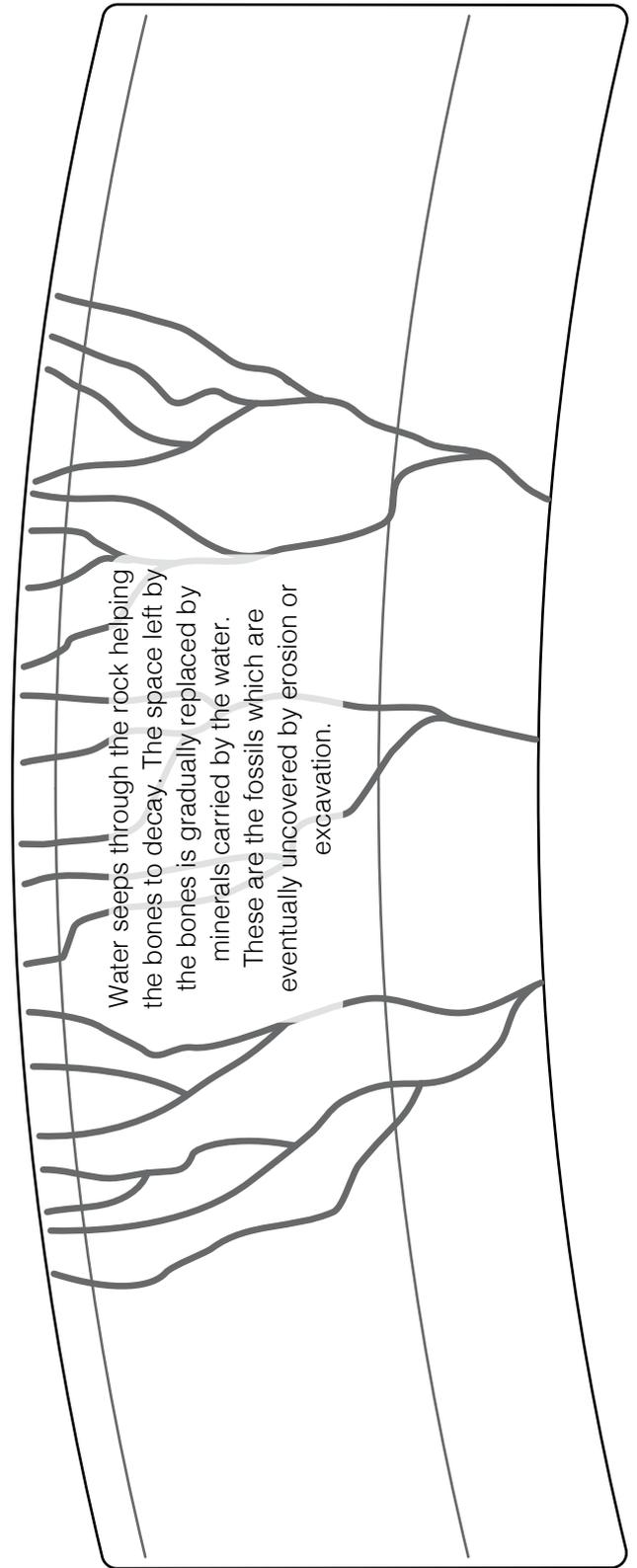
Fossils are the preserved impressions or remains of a living organism such as a plant, fish, reptile, bird, insect etc. Someone who studies fossils is called a palaeontologist. There are many types of fossil including remains preserved in ice or amber.

This model shows how fossils can be cast from an impression of an animal's bones in sedimentary rock such as limestone or sandstone. The model shows the fossilisation process of a Triceratops skeleton. This might take thousands of years but Triceratops is much older - it died out at the end of the Cretaceous period - around 65 Million years ago.





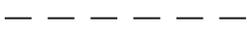
Part 1

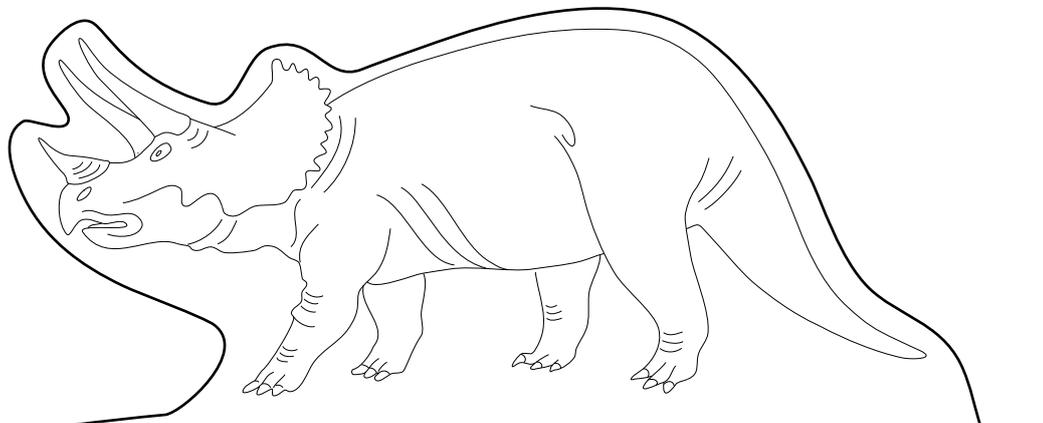


Part 2

Design: Ben Hughes.
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-  glue zone
-  valley fold line
-  mountain fold line
-  cut line



Part 3

Over time the ground into which Triceratops sank becomes compacted and turns to rock. The bones maintain their shape.

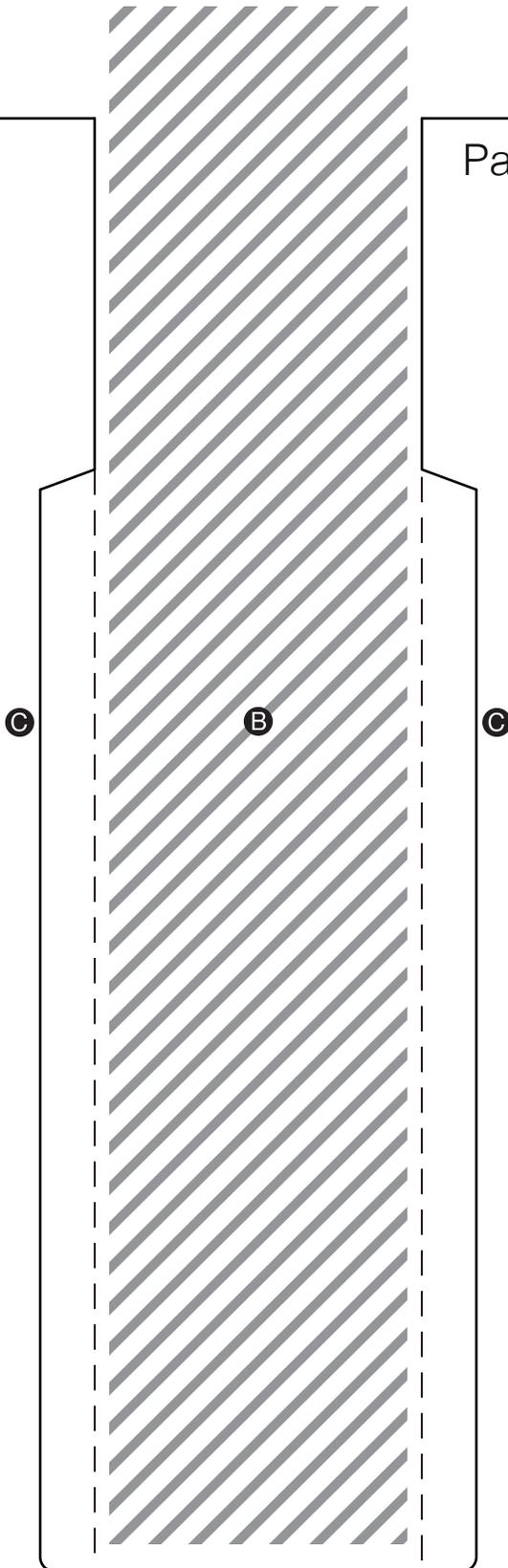
Triceratops' flesh is eaten or decays in a short time. The bones sink further into the ground where they are covered in silt and mud.

Triceratops dies and sinks into soft ground.

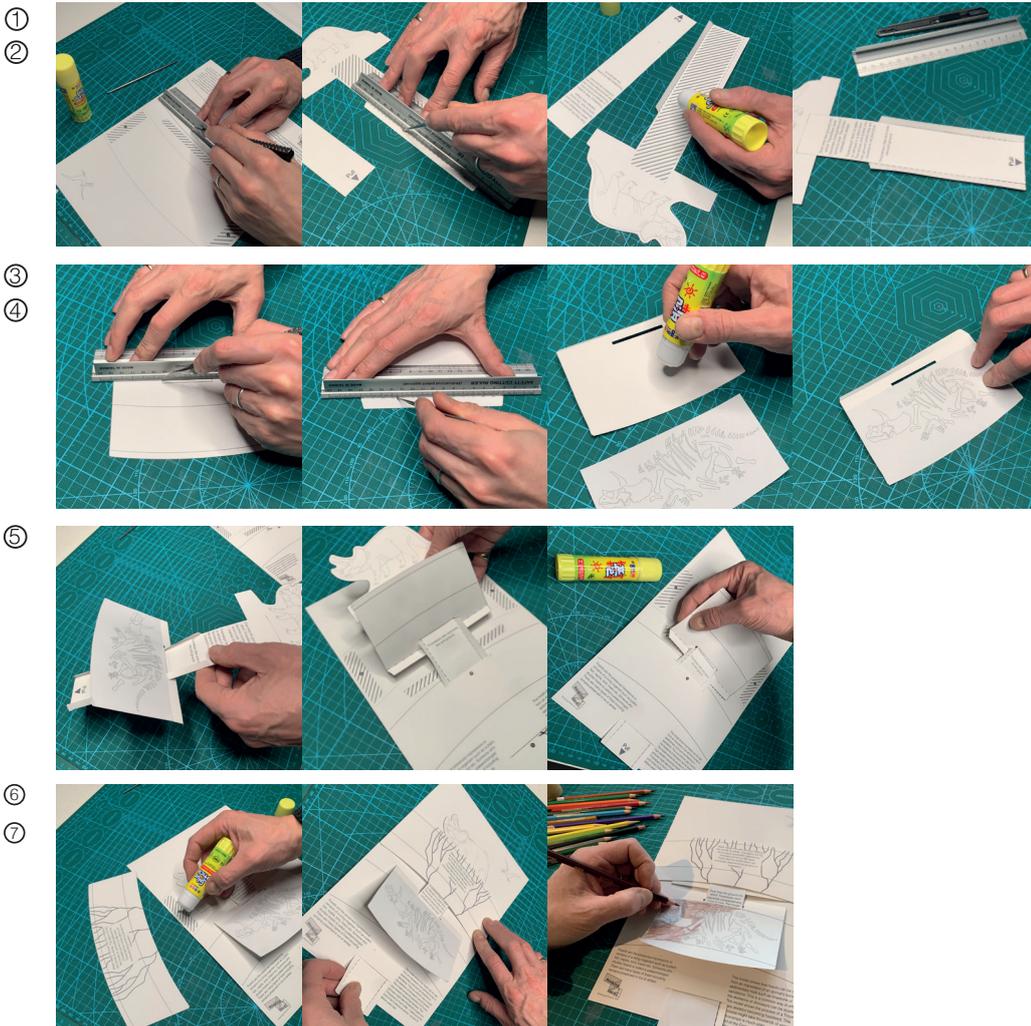
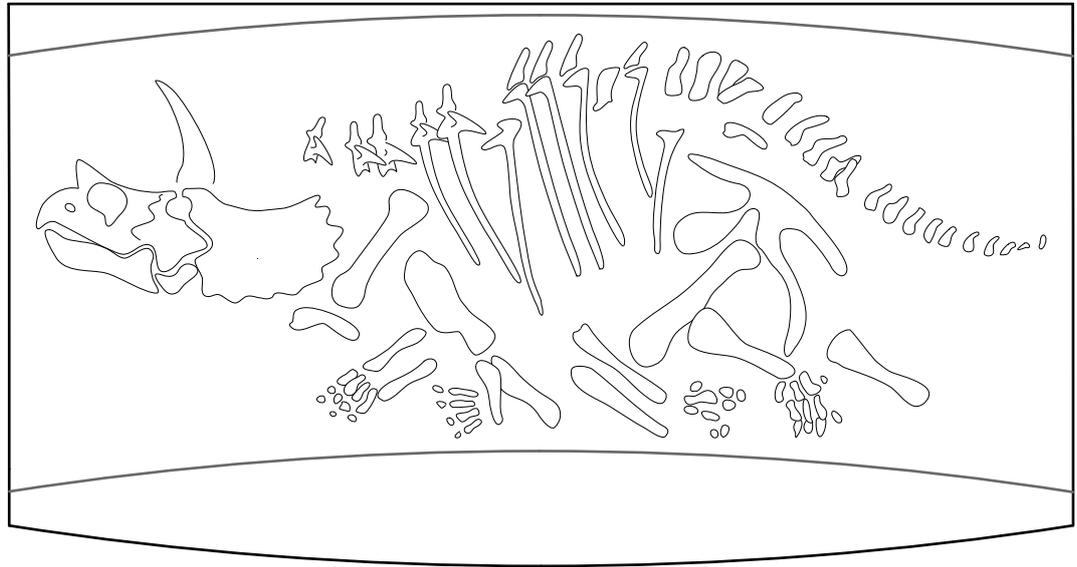
Pull



Part 4



Part 5



- ① Print all parts onto card, except Part 5 which should be on paper.
Cut out the two slots **A** in the base card.
- ② Score the two valley folds **C** in Part 3 and fold upwards. Apply glue to zone **B** and stick strengthening Part 3 onto Part 4 as shown.
- ③ Cut out slot **D** in Part 1 and score the mountain fold next to it.
- ④ Glue Part 5 (printed on paper) onto the back of Part 1.
- ⑤ Thread Part 4 through Part 1 as shown and then through the slots **A** on the base card.
Then apply glue to the glue zone and stick the flap of Part 1 onto the base card.
- ⑥ Apply glue to zone **E** on the base board and stick Part 2 onto this (over the top of Part 4).
- ⑦ Check the function of the model and then use coloured pencils to complete.