



#### **Lesson 4 Wb 11/05/20 Forces – Changing the shape of objects**

Forces can make objects move, stop or change their shape. Bend, flatten, pat, press, roll, squash, stretch and twist are all types of forces caused by pushes or pulls.

##### **Task 1:**

Use plasticine, clay or dough to explore these forces.

If you pull plasticine with both hands what force is being used? A stretch, well done! Think about the other forces, are they caused by pushes, pulls or both?

What do you do to change it into a long sausage shape? When you roll it, do you push or pull? When you twist it, do you push or pull? What do you do to make it into a flat plate? If you roll it using a rolling pin or flatten it with your hands, do you push or pull?

##### **Task 2:**

Make your own boat out of plasticine, just like the one Grace Darling would have used. Which forces are you using to make it?



If you would like to share your boat, take photo and share in on our school Facebook page. Don't forget to tell us which forces you used to make it!