Year 4: Textiles

How do you keep a tea towel from slipping off a hook?



Core content:

Identify the different functions for fastenings. Learn how to sew a button onto fabric. Create a solution to the problem of a towel slipping off a hook.

Technical vocabulary:

Shank — a short stem on the underside of a button that allows there to be a gap between the button and the cloth it is attached to.



Burr — a seed container covered in tiny hooks, which attaches to animal fur and clothing, facilitating effective dispersal.



Hook and loop — a fastening system using two sides of material: one covered in hooks and the other covered in loops.



Buckle — a piece of metal at one end of a belt or strap, used to fasten the two ends together.



Fastener — a button, zip or other device for temporarily joining together the parts of things such as clothes.



Raw edges — an unfinished, rough or undecorated edge.



Connections:

George de Mestral (1907 — 1990) Swiss electrical engineer and inventor of Velcro©



Year 4 Autumn 1 Textiles fastenings

Born 1907 – 1990

Lausanne, Switzerland

Legacy

In 1999, he was inducted into the National Inventors Hall of Fame for inventing hook-and-loop fasteners.

Hook and loop

fastener

Early Life

When he was 12 years old, he designed and patented a toy aeroplane.

George de Mestral

Electrical Engineer and Inventor

Well known for

.. inventing the hook-and loop fastener which he trademarked as Velcro.®



Fact

His invention of the hook-and-loop fastener was first used in the aerospace industry as it helped astronauts get in and out of their space suits more easily.