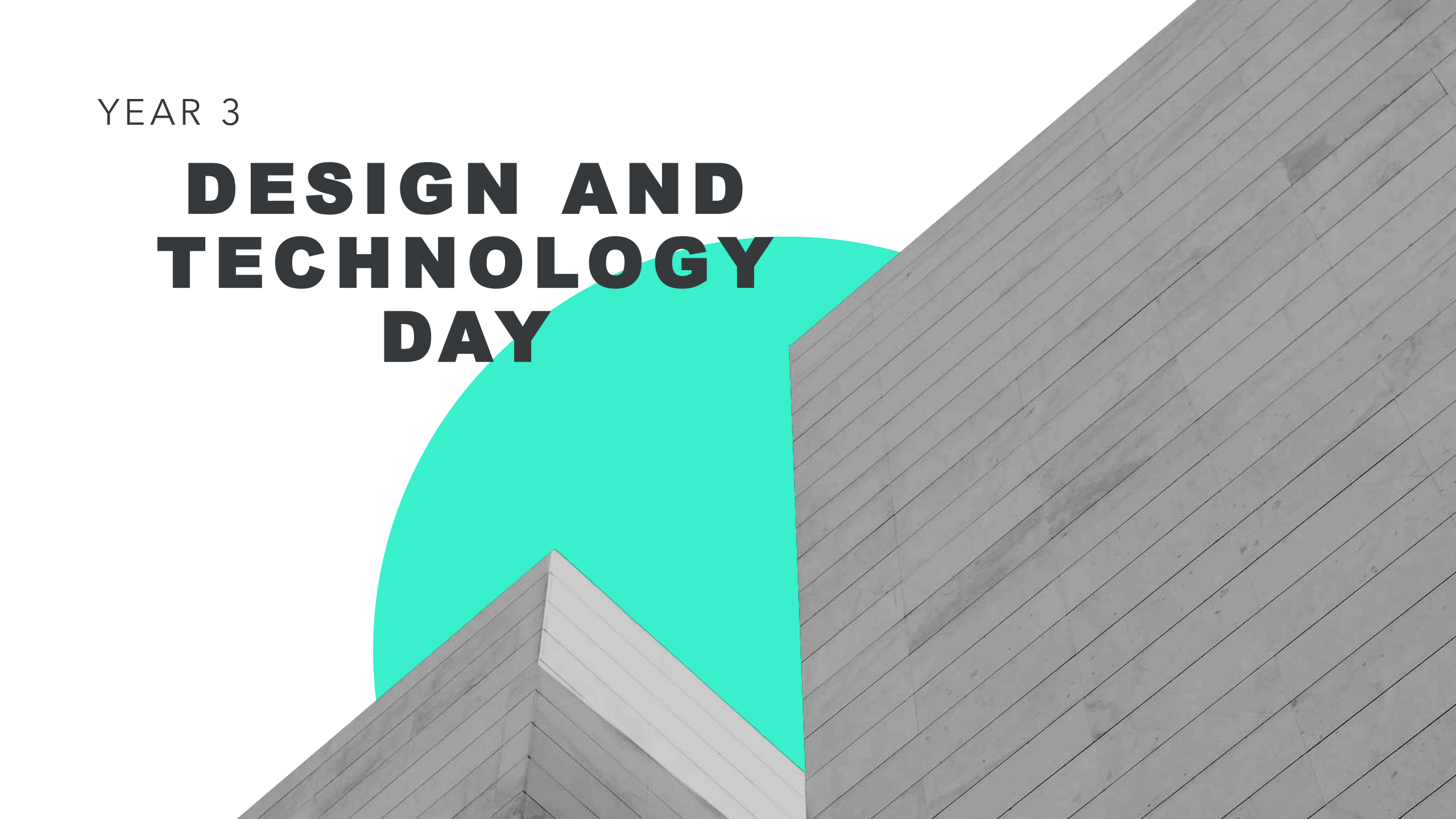
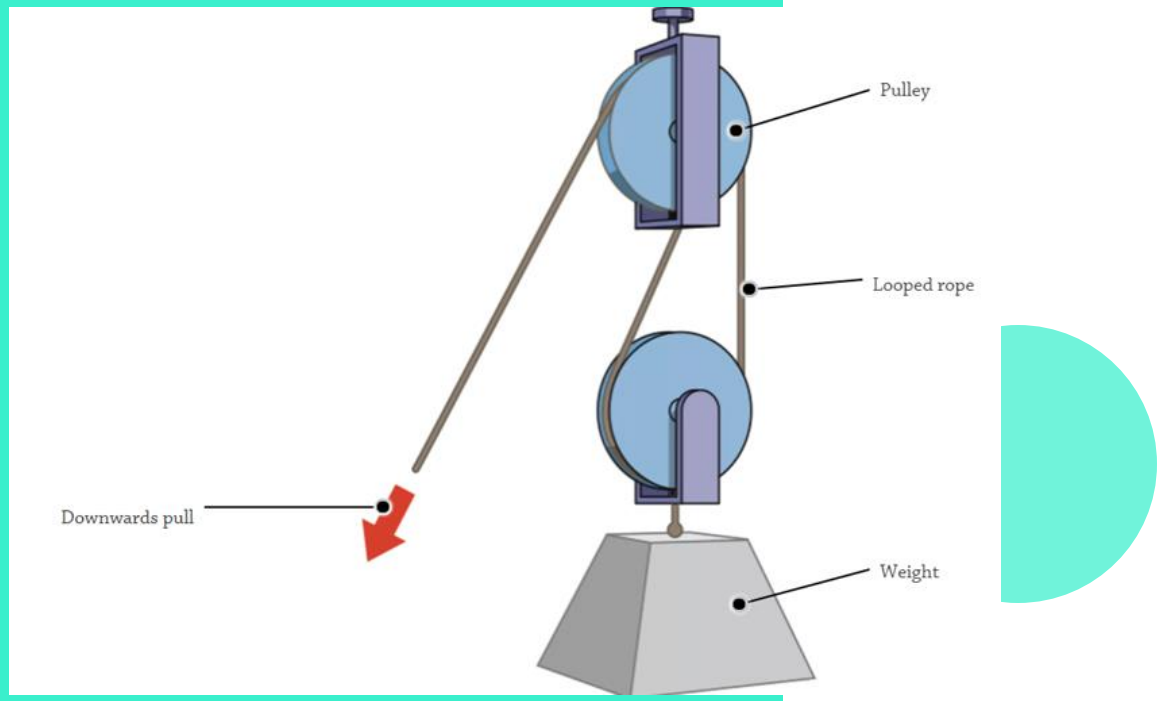
YEAR 3

DESIGN AND TECHNOLOGY DAY



PULLEYS



We first learnt what pulleys are and why they are used.

They are made by looping a rope over one or more wheels. They are often used to lift heavy objects.

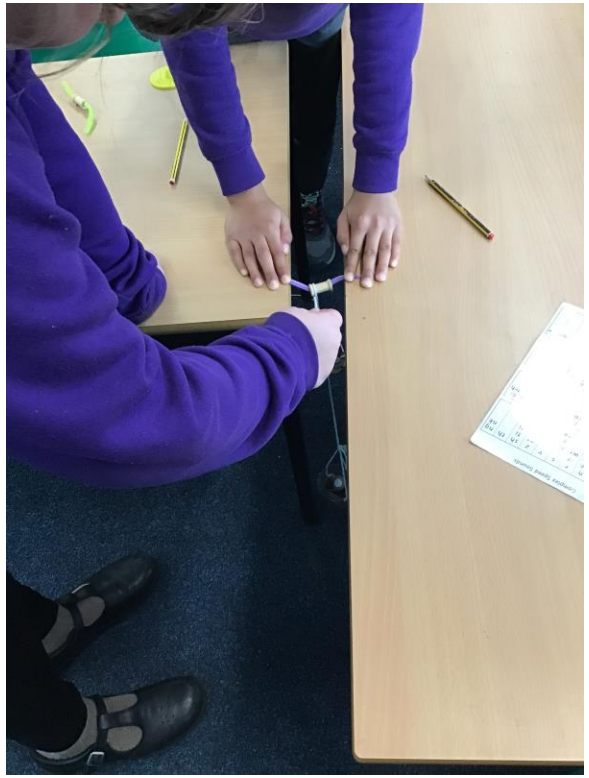
PULLEYS

We then discussed where we may find pulleys:

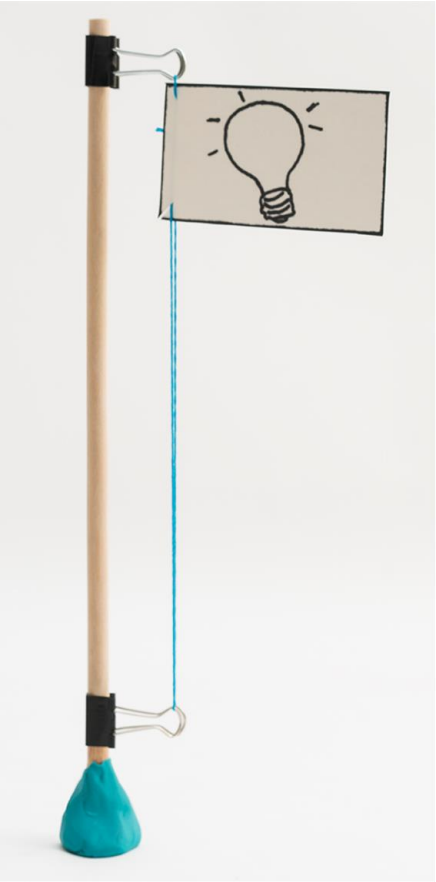
- Escalators
- Cranes
- Bikes
- Water wells

EXPLORE

We created our own pulley systems using a range of different materials, investigating and decided on the materials which suited the best.



DESIGN

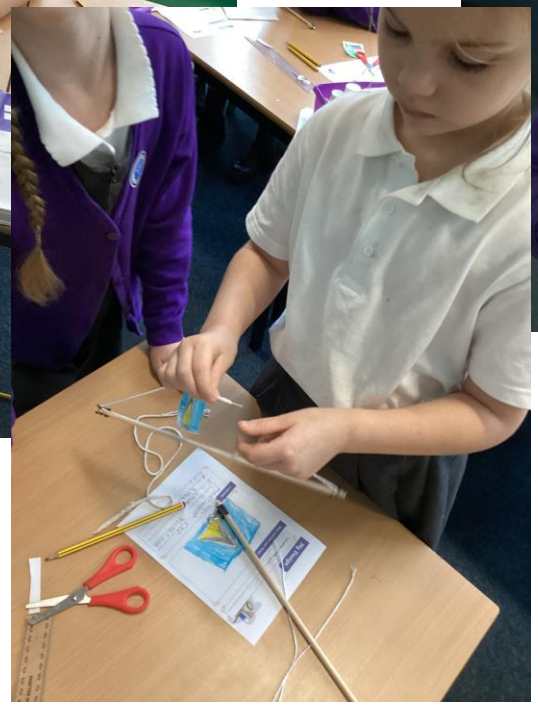


We were then given a brief: to create a flagpole using a pulley motion. Using their knowledge, children designed their flagpole and selected a Commonwealth flag to use.

In our designs, we selected the materials we would use, discussing why e had chosen them and how they would help our structure to be secure and strengthened. We decided to make sure the string was pulled tight.

MAKE

Children then created their flagpoles using their designs and simple instructions which they had to interpret. Many found certain elements, such as attaching the bulldog clips and tying the knots, trickier and demonstrated super team work and resilience!



EVALUATE

We then evaluated the process, thinking about what went well, what we found difficult and what we would change if we did it again in the future.

We all agreed that we worked well in our pairs and followed the instructions. We all managed to create a strong pulley too so our flag did not droop.

Most of us found threading and tying the string difficult and we decided that we would use larger clips in the future as they were quite stiff to open.