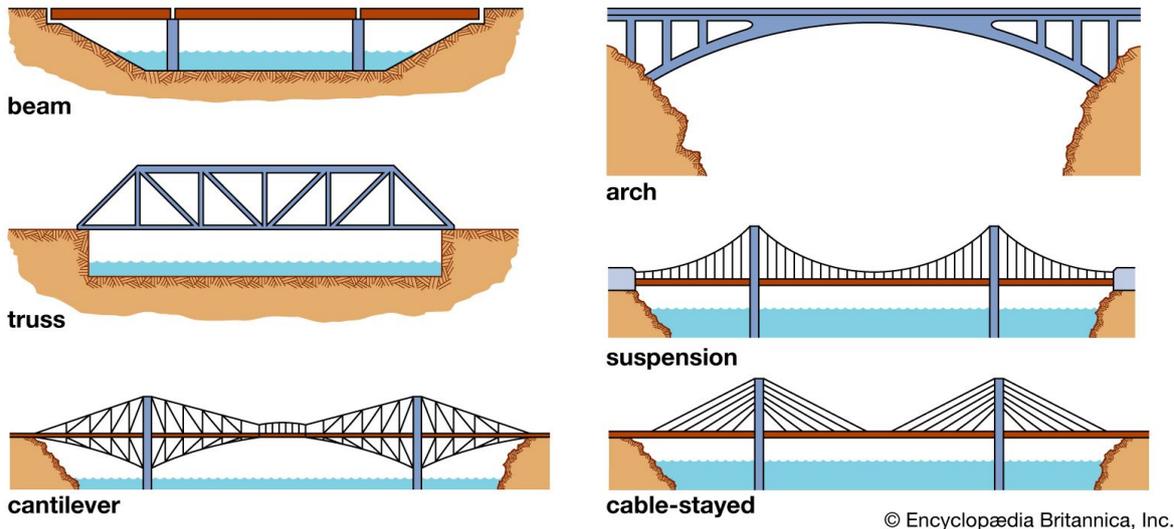


Science Week 2023

Shepherds Class (Teacher-led Session)

Building Bridges



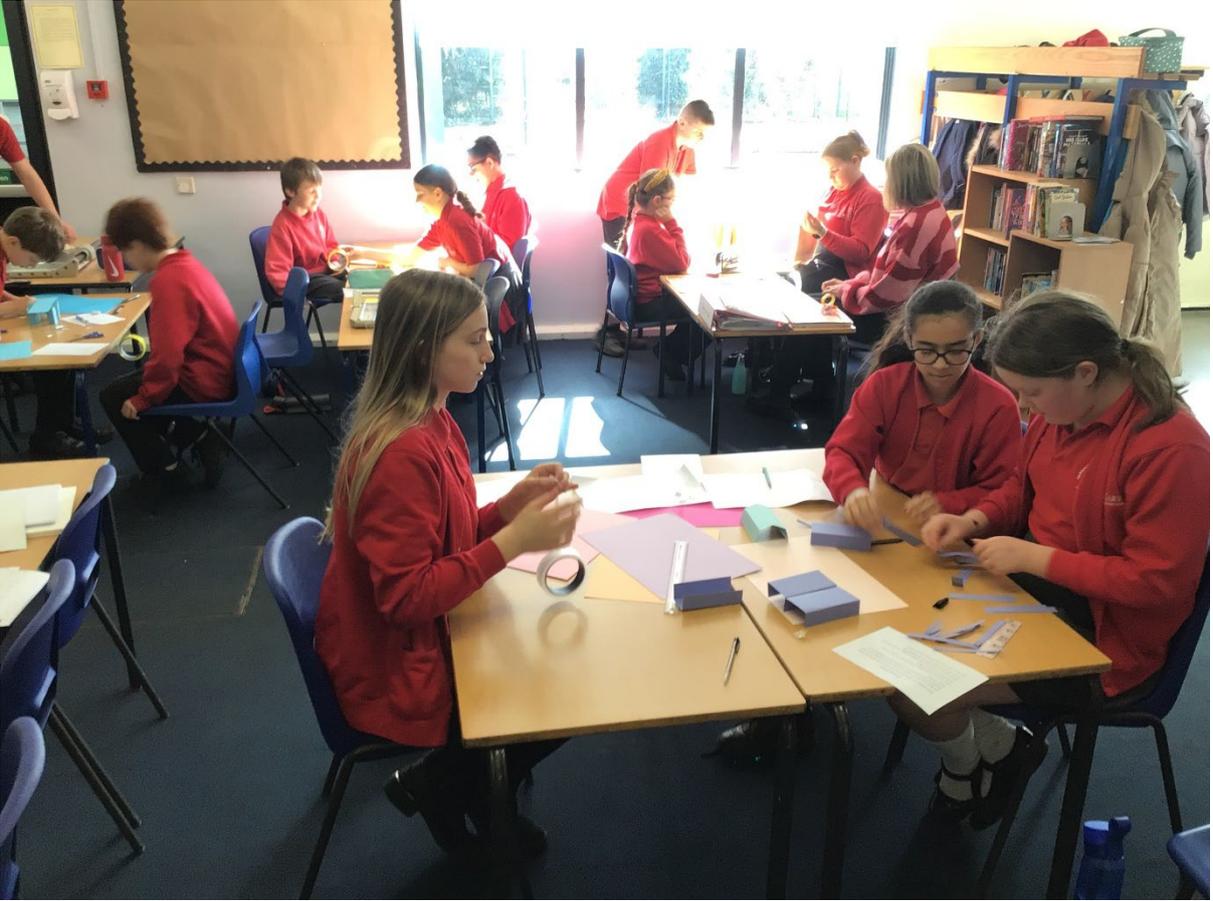
Each team had six sheets of card and a role of sticky tape.

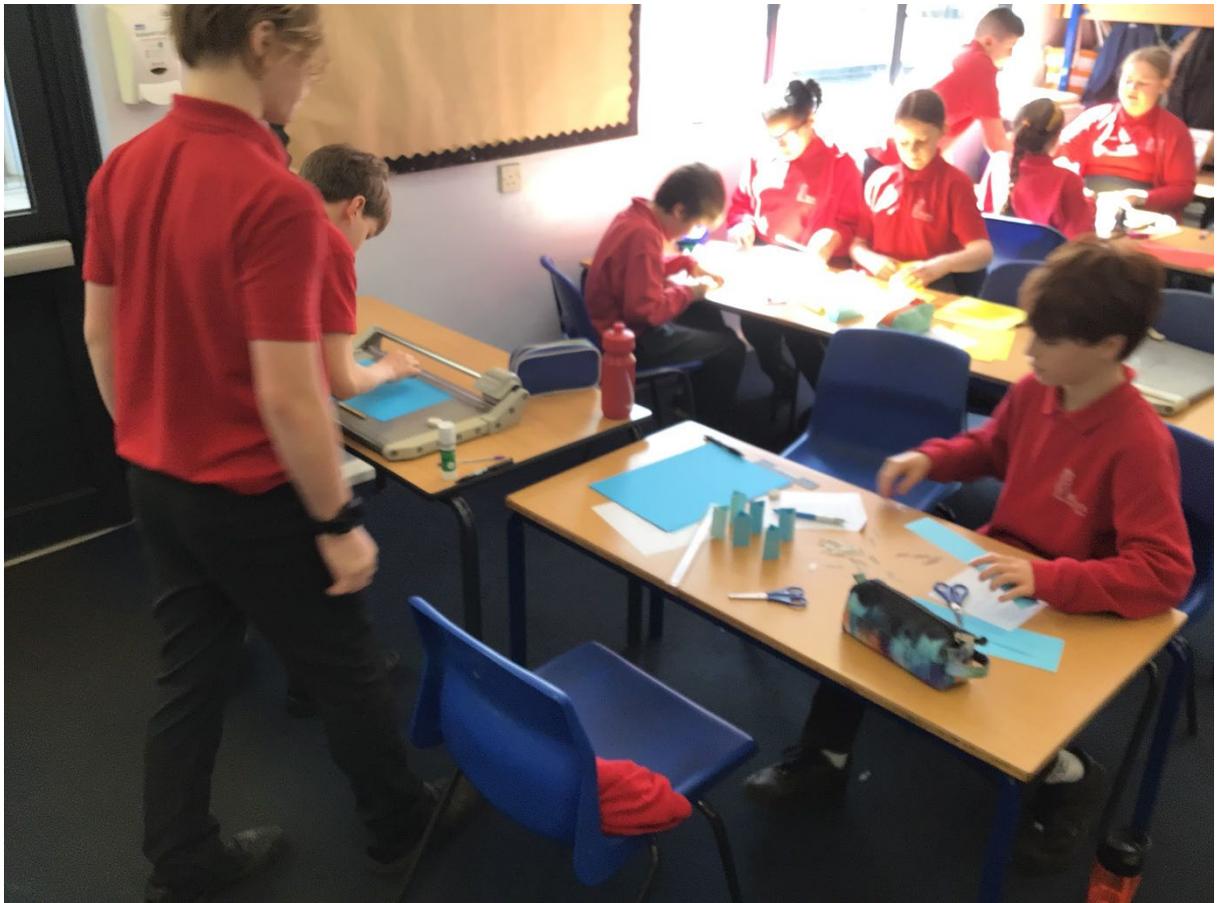
All that they had to do was to make a short bridge that could withstand the weight of a 1 litre bottle of squash (i.e. a mass of 1kg).

They could use any number of paper clips to assist the construction of their bridges.

They were given an important hint: mark out any sections of your bridge accurately with pencil and ruler...and **THINK TRIANGLES!!!**

They had 30 minutes to complete the task...plus ten minutes "extra time"!





| | Efficient use of resources /5 | Team effort? /5 | Rigidity 0.5kg can /5 | Rigidity 1kg bottle /5 |
|------------------------------|-------------------------------|-----------------|-----------------------|------------------------|
| Team: "You smell nice" | 3 | 4 | 3 | 0 |
| Team: "Are we nearly there?" | 4 | 3 | 4 | 4 |
| Team: "I don't shave yet!" | 4 | 3 | 3 | 0 |
| Team: "It's not my fault!" | 3 | 3 | 2 | 0 |

With an overall score of 15/20, Team "Are We Nearly There?" won the bridge-building competition.

A great deal of fun was had by all.

L Williams

March 2023