



age
1-5

Georgian science: Billy goat bridge



You will need:

- brown/sturdy cardboard
- 4 Toilet Rolls
- String
- Masking tape or Sellotape
- Ruler
- Pencil
- Scissors

Did you know that this stone bridge, crossing the lake at Cannon Hall was built in Georgian times?

Why not make your own bridge inspired by our one at Cannon Hall- perhaps there's a troll hiding underneath



Cut one rectangle out of cardboard 30cm long and 12cm wide. Then cut another two rectangles 19cm long by 12cm wide. Attach the two smaller rectangles width ways, one at each end of the long rectangle using tape.



Cut a slit in the toilet roll around half the diameter 5cm from one end, it needs to be wide enough to slide the large rectangular piece of card in. Repeat with remaining 3 toilet rolls.



Using a sharp pencil pierce a hole in two of the toilet rolls on the left- hand side of the slit, half- way up the shorter 5cm side. Repeat putting the hole on the right- hand side of the slit.



Cut two pieces of string the same length, then connect the toilet rolls, making sure they are long enough to thread through the holes and secure using tape.



Slide the toilet rolls onto the large rectangular piece of card, the holes should face inward toward each other. Position them near the four corners, allowing the two smaller rectangles to fall and meet the ground. Your bridge is built. Who or what will trip trap over your bridge? Is there anything hiding underneath?