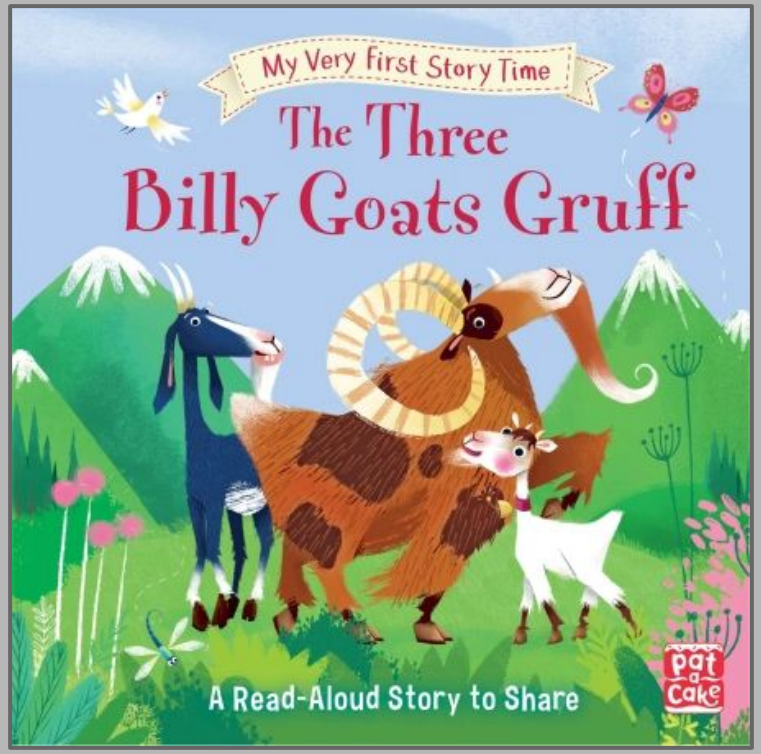


Design and Technology
Bridges

Last week we read the story of The Billy Goats Gruff and made a bridge for a toy.

This week we will learn about the different types of bridge.

There are 6 different types of bridge.

Cable stayed bridge



Cable stay bridges use cables attached to towers to keep the bridge deck (road) level.

Truss bridge

Truss bridges use triangles to make them really strong.



Arch bridge



Arch bridges use curves to make them strong.

They can have more than one arch.

Suspension bridge

Suspension bridges have towers at either end and use cables to keep the bridge deck stable.



Beam bridge

A beam bridge is made by lying a flat pieces of material on supports.





Cantilever bridge

Cantiliver bridges are only attached at one end and use weights to keep them stable.



Task

Choose two different types of bridges.

Think about what you have at home which you could use to help you to make them next week.

Draw your ideas.

