

# Billy Goat Bridge Building

STEM Activity



## Method

1. Tell the children that the goats need a new bridge to cross over the river so that the troll doesn't scare them.
2. Can they help by making a bridge for the goats?
3. They can only use the materials and tools that you have left out for them.
4. Look at the photos of bridges and talk about the different shapes and how the bridges go across the water.
5. The children can then decide how to join the materials to create their bridges.
6. Once the children have made their bridges, they could be tested to see if they are strong enough to support the goats as they cross the river.

## You will need:

A selection of card and paper

Cardboard tubes and boxes

Children's scissors

Sticky tape

Sticky tack

String

Small goat toys

Types of Bridges Display Photos



## STEM Activity

### Billy Goats Bridge Building

The goats need a new way to cross over the river.

Can you help them by building a new bridge?

What shape is the bridge going to be?

What are you going to use?

Is there any way you can make your bridge stronger?

Do you need more tape?

Do you need to make the bridge longer/shorter?

Is your bridge strong enough to hold the goats?



