

# Loose Parts Challenge:

Build a bridge to hold your weight as you cross a puddle

All

Play  
based  
learning

A  
B  
C



## Instructions basic level

### Activity

A fun activity after it has been raining and there are puddles around.

Collect your materials. You can make this challenge harder by limiting the number of parts you choose.

Build a bridge over the puddle. It **MUST** be strong enough for you to walk across.

You don't need to do this over a puddle, so if it hasn't rained don't worry. Just build a bridge over something else or create a bridge to get from A to B.

If you only have small loose parts, try making a small bridge to hold the weight of a teddy or a bag of sugar!

### What could you use?

A range of small and large materials e.g. recycling, scrap construction, materials, natural items, and other bits 'n' bobs!

## General Learning Outcomes and Possible Extensions

This is a great hands-on activity to support outcomes in STEM from the design process to the testing to the review.

How can you make your bridge stronger and hold more weight?  
Could an adult now walk across it?

Go out and look at local bridges. What do they cross? Are they for transport or people?

Research different types of bridges from around the world e.g. Forth Bridge or Tower bridge.

For more resources visit [www.ltl.org.uk/free-resources](http://www.ltl.org.uk/free-resources)

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