



Easter 2021 Activity Pack

Egg Bridge Challenge

This activity involves building a bridge that can safely support an egg.

Please note that this activity should be done under adult supervision

Getting Started

You will first need a 'gap' to build a bridge over. To create this, you will need two objects of the same height on a flat surface with a gap of 15cm between them. Ideally these objects want to only be about 3cm tall - reducing the risk of a mess if your egg falls. Cover the object and the table with a layer of clingfilm to protect them if the egg breaks.

Once you have the 'gap' set up, make sure you **only have** A4 paper, drinking straws and paperclips available.

The Task

In 30 minutes, you are to build a bridge across the gap that will be able to hold the egg.

The catch is that you have a budget of 50 credits. Each sheet of paper costs 5 credits, each paperclip costs 2 credits and each drinking straw costs 10 credits.

The Rules

- You have 30 minutes
- You cannot use more than 50 credits of materials
- The finished bridge should be able to hold an egg in the middle without it or the egg touching the ground beneath.
- The egg should not touch the bridge until the time is up - this means no testing during the building.

Additional Challenges

If you enjoyed this activity, here are some suggestions for how to make it more challenging:

1. Reduce how many credits you're allowed to use.
2. Make the gap that the bridge needs to span wider.
3. Use an object heavier than an egg for the test.