



# Easter 2021 Activity Pack

## Egg Armour Challenge

Can you protect an egg from being damaged when a weight is dropped on it?

**Please note this activity is designed to be done outside and under adult supervision.**

### The Task

The challenge is to build a structure that will stop an egg being broken if a brick (or other available weight) were dropped on it.

You will need to think about what shapes and forms will provide strength and/or cushioning.

### The Rules

- You can only use paper and sticky tape.
- You have 30 minutes to build your structure.
- The egg is not to be put inside the structure until it is time for the test.
- The test should be carried out by a responsible adult.

### The Test

- Film this stage if you can, it will help on play back to understand what did/didn't work and why.
- As mentioned above, please have a responsible adult carry out this test to avoid injuries.
- The weight and size of the object being dropped should be similar to a standard house brick.
- The 'brick' should be dropped from waist height
- Please ensure that the drop area and the space around it is clear and safe - the 'brick' may bounce.

### Increasing the Difficulty

Once you have been successful with the above task, you may wish to challenge yourself further. Here are some ideas for how to do this:

1. Reduce the amount of paper used and/or try this without the sticky tape.
2. Increase the number of eggs the structure needs to protect.
3. Safely increase the height of the drop or the weight being used.