EGG DROP CHALLENGE

This activity is always a winner! It is suitable for all ages and can be done in groups or individually. It can be made more complicated or simplified very easily, and doesn't need any specific equipment – except eggs! It's a great way of recycling packaging.

Suggested Equipment

- Eggs – These can be hard boiled if you want to minimize mess.
  Can be substituted for water balloons.
- Egg Boxes / Cardboard / Paper
- Straws / Plastic Cartons (washed)
- Foam Packaging
- Plastic Bags (old)
- Sticky Tape / String
- Sponges
- Old clothes / Fabric
- Felt Tip pens/colouring pencils
- Scissors

Any other softer stuff you have laying around! Raid the recycling bin!

Optional Extra

Why not paint your eggs to give them a bit of extra jazz before starting the challenge. Not only will they look fabulous, but it may also encourage people taking part to look after **their** particular special egg!
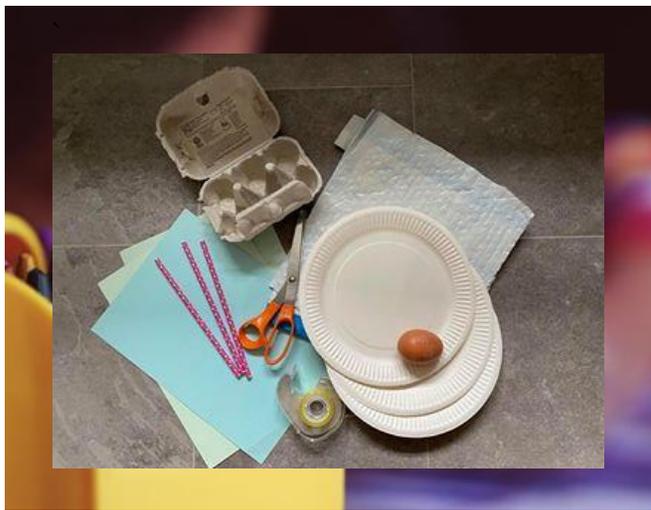

Image Source: Pexels

Image Source: Pixabay

Image Source: WiseUp Teambuilding

The Brief

Create a protective case for an egg to prevents it breaking. It needs to be designed to save the egg from being dropped from a height or being hit from the side.

The Challenge

This can be made as easy or difficult as you choose, depending on the age of people taking part. It will also depend on the space available.

Indoors, you may find you aren't able to get the egg to a big height. If you want it to be more of a challenge, provide flimsier equipment.

If you are outside for example, you may be able to scale a tree or structure to drop the eggs from a good height, or hit them with a bat.

Variations

Easy – Give each group/person a set of selected equipment, featuring an array of supplies. Include a pair of scissors and tape.

Medium – Add a time Limit. 15-30 minutes

Hard – Give each team a budget, set up a shop with all the materials and sell them! This will encourage people to plan and design their case rather than just create a mishmash.

You could also choose to award points for how well decorated the cases are, which could be incorporated into any level.
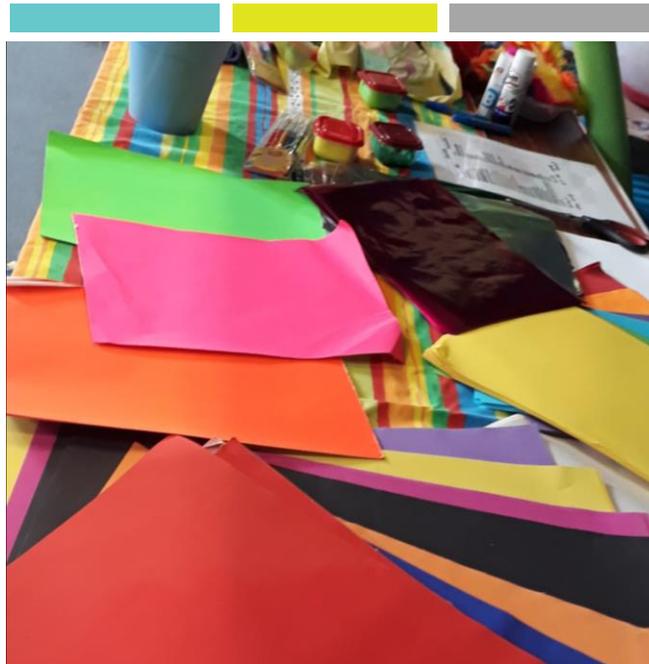
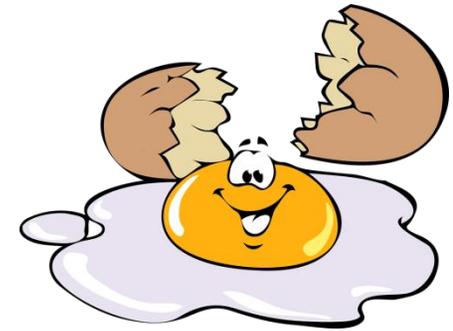## Testing & Scoring

Once all the cases have been built, it's time for the really entertaining bit – testing! Drop the cases one at a time from a height and see which ones survive. You could make it into a step process, by dropping it three times for example, from a lower height then getting progressive higher. Or add in an element to test the sides of the cases by suspending them with a strung and hitting them with a bat, or even a kick (make sure the area in front is clear!)

Score the success of the protective cases on how well the eggs survived (or not!). Add bonus points for any special features.