



Egg Drop

The Task

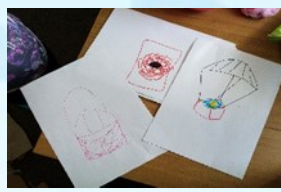
Using only items found in the school grounds or around the home can your pupils build something to protect an egg thrown from a height.

How?

- The challenge can be done in groups or individually.
- Start with finding out what kind of egg protector you wish to build (a parachute to slow the descent) a crash helmet (energy displacement) or something completely unique!
- Get the pupils to design their egg protector (this could possibly be done the day before and ask the pupils to bring in items from home that may be able to help them with their design).
- Alternatively raid the kitchen for cardboard boxes and anything that might be of use.
- Once completed throw each item from an upstairs window or stairwell and see who has best protected their egg!

Considerations

- Where will you throw your eggs from?
- Who will be allowed to throw the eggs?
- Tunnocks tea cakes make excellent egg substitutes.
- Ensure all litter is disposed of safely and correctly.



What might you need?

- Eggs
- Cardboard
- Paper
- String /wool
- Sticky tape / scissors
- Plastic bags



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Organisation & Layout

- Planned in the classroom, built in school and tested on the day.
- It can be also be done as part of a quiz. The pupils take part in a quiz, points are awarded and then converted into “Egg drop Currency” this currency is them used to purchase additional “egg drop” materials.
- Please ensure your choice of venue is appropriate for the safety of the group.

Learning Objectives

- STEM project
- Planning
- Communication / Teamwork
- Problem solving
- Experimenting

Safety Information

- Ensure any “litter” used is appropriate and clean.
- Have you permission to throw items out of a window?
- Is your choice of venue safe with easy access?
- Have you done a Risk assessment.
- Clear up all “rubbish” and man made items and dispose of responsibly.

Review & Assessment

- What was the result?
- Who’s egg was the safest?
- Could the egg protector be used again and again?
- Did the results match the expectations?

Additional Links & Support

[Blairvadach Egg Drop—YouTube](#)

