

Lower 4 egg drop



As part of the British Science Week activities, Lower 4 pupils were challenged to design and create a container that would hold an egg and protect it from damage when it was dropped from the ceiling. There were prizes for innovation and design as well as for any contraptions that served their purpose and protected the egg from smashing as it hit the floor. The challenge was made harder as the teams were only allowed limited resources; 1 egg, 5 sheets of A4 paper and 1 metre of Sellotape. They could use scissors and colour pens to decorate their containers, but these were not permitted in the drop.

Whilst designing their container, pupils were advised to think about how paper could be folded to make it stronger, which shapes formed the strongest structures and how crumple zones are designed to absorb energy in a crash.

We had lots of designs including parachutes, pirate ships, boxes and even a pizza slice!

Towards the end of the lesson, we tested each design by dropping them from ceiling height. Many of the eggs smashed on impact, but a few survived. The best designs were the ones which included folded paper around the egg to absorb the impact and act as a crumple zone.

Well done to all the Lower 4 pupils who took part in this activity.

Mrs Sophie King