

Activity title: Crash Test Challenge

Target audience: Teenagers aged 14 and up

Number of volunteers required: 2 – 4 depending on number of students

Budget: Up to approximately £50

Project Brief:

This idea was taken from a Smallpeice Trust STEM day involving students aged 14. The idea is to engage the children and get them thinking about solutions to a problem. In his case not smashing eggs travelling in a cardboard car by using skills they have observed and tested.

Time required:

4 – 8 hours (depending on required level of complexity)

Resources required:

Any you want to use - suggested materials listed below.

Corrugated plastic,
wooden or plastic
wheels, dowel,
cardboard,
felt-tip pens,
rubber bands,
sponge,
cotton wool,
nuts and bolts,
wood glue,

balsa wood,
masking tape,
all purpose glue,
eggs (can be hard-boiled),
chassis design
guide,
design brief

