

KEY STAGE: 2

AT/SC: 4

TITLE:

What is the best shape for a piece of paper that will take the longest time to fall?

Programme of Study:

Sc4.2c about friction, including air resistance, as a force that slows moving objects and may prevent objects from starting to move.

Points to consider:

Design a shape for a piece of paper that will take the longest time to fall 2m to the ground.

Give limited materials ... 2 pieces A4, paper clip, string, limited piece of sellotape.

Possible AT1 teaching focus:

Comments:

Planning
Asking questions
Predicting
Fair Testing
Choosing equipment
Obtaining Evidence
Using tables
Using equipment
Observing and sorting
Repeating readings
Considering evidence
Using graphs
\$ Drawing conclusions
\$ Interpreting
\$ Using science
Evaluating
Sufficient evidence?
Consider anomalies
Consider improvements