

KEY STAGE: 2

AT/SC: 3/4

TITLE: Which magnet is the strongest?

Programme of Study:

- 3.1a to compare everyday materials on the basis of their properties eg magnetic behaviour
- 4.2a that there are forces of attraction and repulsion between magnets and forces of attraction between magnets and magnetic materials

Points to consider:

- there are various ways of doing this, each has issues of fairness
Try - how many paperclips will the magnet pick up? (biased in favour of magnets with larger surface area)
- over what distance or through how many sheets of paper will the magnet attract a paperclip?
- how many paperclips will a magnet hold end to end?

Possible AT1 teaching focus:	Comments:
<ul style="list-style-type: none">• <u>Planning</u>• Asking questions• Predicting• Fair Testing• Choosing equipment• <u>Obtaining Evidence</u>• Using tables• Using equipment• Observing and sorting• Repeating readings• <u>Considering evidence</u>• Using graphs• Drawing conclusions• Interpreting• Using science• <u>Evaluating</u>• Sufficient evidence?• Consider anomalies• Consider improvements	children could design an experiment and choose what variable they will measure