



Materials mission - KS1 Challenge Sheet

Look at a number of everyday materials and the things they are used for (and why?). Discuss the properties which make specific materials useful. Sort materials as magnetic or non magnetic. Look at other materials and objects around the classroom or school.

Educational objective

To differentiate between 'object' and 'material' and to explore magnetism and materials.

Approach

Whole class introduction using the classroom to talk about various objects and materials e.g. glass in windows-why? What is a magnet?. Group activities - children in pairs testing and sorting a range of common materials using a magnet.

Specific skills to be developed

Science AT1-process skills, AT3-materials.



Cross-curricular links

Science

Ideas for extension activities

A magnet trail inside or outside the school. Other trails which focus on different properties - rough/smooth etc

Equipment we will provide:

pots of collected materials

magnets

photocopyable worksheets

Subject skills / Desirable outcomes

Materials and their properties
Experimental & investigative science

Life skills

Innovation skills
Problem-solving skills
Team working skills
Communication skills
Investigation skills