



Move that load - KS2 Challenge Sheet

Some things are too heavy for us to pick up or even move. Every day we use machines such as cranes, fork-lift trucks or tractors. Can you design and build a machine which will lift or move a heavy load?

Educational objective

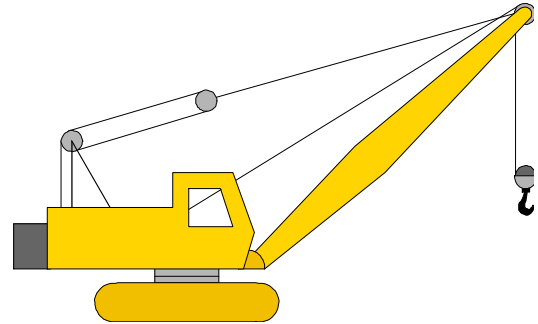
To provide an opportunity for problem solving, decision making and cooperative learning.

Approach

Whole class discussion about the sort of machine that would be required to move a heavy load - crane, fork-lift truck, tractor etc. How can we help? Group activity with the children working in pairs to construct a machine to move a heavy load.

Specific skills to be developed

Manipulative, designing and making skills, social and problem solving skills.



Cross-curricular links

Science, Design & Technology.

Ideas for extension activities

Equipment we will provide:

boxes of K'NEX

K'NEX wheels

loads

string

figures

Subject skills / Desirable outcomes

Structures

Mechanisms

Designing skills

Making skills

Shape, space & measure

Life skills

Innovation skills

Problem-solving skills

Team working skills

Communication skills

A 'can-do' approach