



Bears on the move - KS2 Challenge Sheet

Our bears need transport! Can you make a vehicle for them? Where will they sit? How will they get in and out? How will the vehicle move? Can you make it go around corners? Does it need a horn or lights?

Educational objective

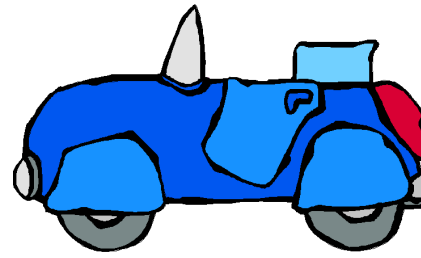
To provide an opportunity for problem solving, decision making and cooperative learning.

Approach

Whole class discussion about the sort of vehicle that would be required to transport the bears - will the bears sit side by side etc? Group activity with the children working in pairs to construct a vehicle for their bears. Enhance the design by constructing an electrical circuit for a horn or lights and add it to the model.

Specific skills to be developed

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



Cross-curricular links

Science and Design & Technology

Ideas for extension activities

The use of different vehicles for different purposes, travel through the ages.

Equipment we will provide:

boxes of K'NEX
Teddy bears
K'NEX wheels
battery packs
bulbs
crocodile clip wires
buzzers
switches

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