



## Bear home - KS2 Challenge Sheet

Make a home for our family of bears. What shape could it be? Can you make a door and windows that open and close? What furniture and toys would the bears need? Can you make a working doorbell and/or lights for the house?

### ***Educational objective***

To provide an understanding of shape and space required to home a family of bears, and what features would make the home more comfortable and fun.

### ***Approach***

Whole class discussion on homes and their features. Group activity with the children working in pairs to construct a home plus furniture and toys for their bears. An electricity workshop will focus on building simple circuits including switches. Enhance the home by constructing a simple electrical circuit to add lights and/or a door bell.

### ***Specific skills to be developed***

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



### ***Cross-curricular links***

Houses and homes, Design & Technology

### ***Ideas for extension activities***

Make homes out of other materials and for other 'inhabitants'. How do people in other countries live?

### ***Equipment we will provide:***

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