

Techniques /Skills:

NC:

- *Design purposeful, functional, appealing products for themselves and other users based on design criteria.*
- *Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology*

select from and use a range of tools and equipment to perform explore and use mechanisms practical tasks.

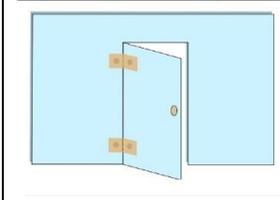
- *Evaluate their ideas and products against design criteria*

Skills:

- *Develop their design ideas applying findings from their earlier research.*
- *Make their design using appropriate techniques.*
- *With help measure, mark out, cut and shape a range of materials.*
- *Use tools eg scissors safely.*
- *Assemble, join and combine materials and components together using a variety of temporary methods e.g. glues or masking tape.*
- *Use simple finishing techniques to improve the appearance of their product.*

Key Vocabulary

Word/ term	definition
Hinge	Moveable joint
Model	A representation of a structure
Structure	A frame or box which holds things in place.
Net	A flat 2D shape that can be made into a 3D shape used for packaging or models.



Key People / information

The children will explore Bromsgrove and look at different homes. They can design, make and evaluate their own home. The children will include a cut and fold door and the houses will include windows (the children will be shown how to safely cut out at least one window). Cutting windows is difficult for young children- a hole made in the centre of the window will help.

Prior Knowledge, recap, retrieval

How could you make an object in a picture move? Now introduce hinge.

Is card or paper better for building a model? Why?

Resources: Books, internet sites and places to visit

Web sites and books:





Types of houses in Britain.
<https://www.youtube.com/watch?v=rL9sutnI9Zc>

This clip shows you how to make a net from a cereal box
<https://www.youtube.com/watch?v=iOKjzviprkw>