

Willerby Carr Lane Primary School – Design and Technology

Topic: Tudor house built after The Great Fire of London

Year: 1

Strand: Structures

What should I already know?

- Construction building in response to fairy tales
- Building outside den structures

What will I know / be able to do by the end of the unit?

What features would you find on a Tudor style building?	<ul style="list-style-type: none"> • Looked at pictures of Tudor houses and recognized features that are similar to a house built today. • Draw sketches and label the features of Tudor houses • Small Leaded windows • Stone chimney • Wooden door and window shutters • Wattle and daub walls • Timber • Large over hanging roof
How can you make doors or windows open and close on your model?	<ul style="list-style-type: none"> • Use hinges on the sides of the door • Attach hinges to the window shutters on the outside walls of the model either side of the windows.
How could you create a roof that is attached to the top of the Tudor building?	<ul style="list-style-type: none"> • Measure out a roof that is larger than the house base. • Make a roof that is a triangular shape and use a strengthening beam or support underneath the roof across the top of the main building. Attach the roof with glue or tape.
How can we evaluate our models to check that they meet the design criteria?	In pairs or small teams check that each model has the features of a Tudor house. How stable is the roof on the model? Do the doors and window shutters open and close?

Vocabulary

adding realistic features	finishing touches could be tiles, wooden timber strips on the outside, white to show the wattle and daub walls
attaching	joining to parts of your model together such as with glue or tape
Christopher Wren	famous designer of new houses in London after the great fire of London. he worked for the king. build St Pauls cathedral.
cutting	carefully cutting out windows and a space for the door using scissors.
fold along crease lines	a fold line made in paper.
hinge	a movable joint or mechanism on which a door, swings as it opens and closes or which connects linked objects.
leaded windows	leaded windows are decorative windows made of small sections of glass supported strips of lead.
London	the capital city of the UK where the great fire of London occurred in 1666.
roof	the structure on the top of a house.
roof support	making a frame or support beam that can hold the roof in position
stone chimney	a structure that comes out the roof of the building
tiled roof	the top of the building is covered with small brick tiles
Tudor	17 th century period of time
wattle and daub walls	a material formerly or traditionally used in building walls, consisting of a network of interwoven sticks and twigs covered with mud or clay.
wooden shutters and door	doors which are positioned on the outside wall of a house either side of a window which open and close over the window.

Key Design Decisions & Skills

- Research the features of a Tudor house.
- Draw a labelled design of your model
- Investigate how to attach a roof to their model making a way to support it eg a cardboard beam sat across the top of the house structure or lay model straws at intervals. Attach with glue or tape. Measure and check that the roof over hangs the building
- Practise making a working door and window shutters that use hinges to open and close. The children could create hinges by scoring and bending card and joining a second piece with masking tape.
- use basic tools *eg scissors and snips* safely and effectively
- Make crease lines in paper using a ruler to make the hinges
- Decorate and finish off your Tudor house with features that you have learnt about eg leading on the windows, brick tiles on the roof.
- Skills in basic joining techniques for 3D modelling using glue and tape.
- Consider ways to make their structures more stable.
- Encourage the children to talk about their finished homes and the main features they have added. Discuss strengths and areas for development. Highlight specific learning points drawn from the children's work.

Tools and Resources

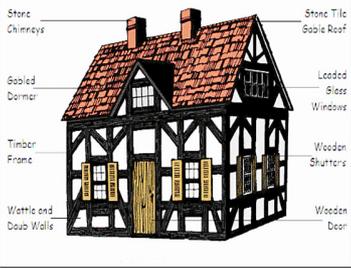
- Scissors
- Glue
- Masking tape / sticky tape
- Rulers
- Felt tip pens and paint
- Cereal boxes
- Pictures of Tudor houses
- Clear cellophane
- Small boxes, packaging and yoghurt pots
- Strips of coloured card

Pictures



Hinges use don doors and windows

A Tudor House



Sir Christopher Wren who designed the houses in London after the Great Fire Of London.