



# DT- Year 1/2 Autumn Cycle B - Construction/Materials

## Tudor Houses



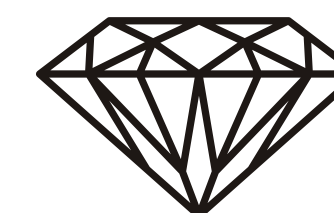
### What do I know already? I know how:

- materials can be joined in different ways using glue, tape and a running stitch
- to share my creations, explaining how they were made
- to assemble, join and combine materials,
- to choose a suitable material and explain why I chose it (thinking about colour, flexibility and strength).



### I will know how to design and make a Tudor house from the Great Fire of London by:

- building a simple Tudor house and exploring how they can be made stronger, stiffer and more stable (using joining, folding and my own ideas).
- exploring the designs of houses during the Great Fire of London and the work of Sir Christopher Wren to inspire my designs.
- developing my knowledge on how to make my house stronger, stiffer and more stable.
- using safe ways of cutting materials.
- being able to select from a wide range of materials, to suit my house building.
- understanding what makes my material a good choice.



### Key Vocabulary:

cut		to use a sharp tool (such as scissors) to open or divide	materials		any substance that an object is made from
design		to plan for a given purpose	stable		fixed, firm, or steady in position
function		the way something works or how useful it is	strong		The ability of a material to withstand forces without bending or breaking.
joining		put, bring, or fasten together by using tape, glue, folding, slotting, tabs or a brace	structure		a combination of materials and/or parts to create a 3D shape





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### Designer Focus (to be shared by the teacher)

#### Sir Christopher Wren



During the Great Fire of London, buildings were made of timber, covered in a flammable substance called pitch, roofed with thatch and tightly packed together. The fire destroyed vast amounts of buildings; 13,200 houses and 87 churches. Most notably St Paul's Cathedral was completely gutted.

Sir Christopher Wren is best known for designing The Monument to the Great Fire of London and St Paul's Cathedral. However, he also oversaw the rebuilding of 52 churches and 36 company halls. Buildings after the fire had to be constructed from brick, timber buildings were no longer allowed.

#### St Paul's Cathedral



'In 1668 the architect Sir Christopher Wren was asked to produce a design for a new cathedral. His first two designs were rejected, but his third plan was accepted in 1675. Building was finally completed in 1710.

The most famous feature of Saint Paul's is its enormous dome, which is topped by a cross that stands about 112 meters above the ground.' It is made from Portland stone. (kids.britannica.com)

- User - who is the product for?
- Purpose - what task does the product need to perform?
- Functionality - will it work?
- Design Decisions - what choices do you have?
- Innovation - how is your product unique?
- Authenticity - is the product believable?



When designing  
think about:

