



YEAR 3

**Design Technology:
Free-standing structures
Houses on stilts**

What I should already know

Use a range of materials and components, including construction materials and kits.

Measure, mark out, cut and shape materials and components.

Assemble, join and combine materials and components.

By the end of this unit:

Follow procedures for safety.

Use a wider range of materials and components than KS1.

Measure, mark out, cut and shape out materials and components with some accuracy.

Assemble, join and combine materials and components with some accuracy.

Design Criteria:

I am making a house on stilts for a family to avoid it being destroyed when the river floods.

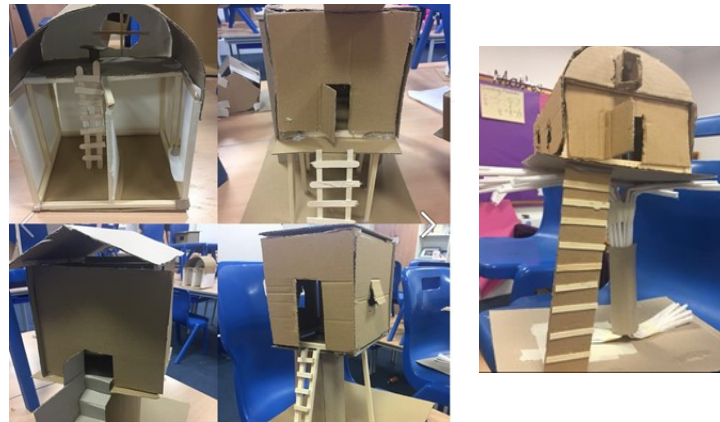
Health and safety

Always use safety round-headed scissors and supervise pupils appropriately during the activity.

Using PVA glue: use only water-based products and wash hands after use.

Using glue guns: use only cool melt glue guns and always under adult supervision

Turn off glue guns if not used for 30 minutes or more.



Houses flooded when the river banks burst



An example of house that has been built on stilts to avoid being flooded

Vocabulary

Assemble	Fit together the separate component parts of an object
Beams	Long, sturdy piece of squared timber used to support the roof or floor of a building
Component	Part of a larger model or machine
Construct	Build or make something
Fit for purpose	Well equipped or well suited for its role or purpose
Glue guns	Device which melts glue sticks. The glue will be stronger and dry quickly.
Measure	To use a ruler to make sure the measurements for each component are accurate and fit together
Plan	A detailed proposal or design for the model to be built
PVA glue	Liquid glue that is safe for children to use
Strengthen	Make stronger

