Year group: Year 3



Construction and materials

National Curriculum: Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. Generate, develop, model and communicate ideas through discussion, annotated sketches and cross-sectional diagrams. Select from a wide range of tools and equipment to perform practical tasks, culting, shaping, joining and finishing accurately. Select from a wider range of materials and components according to their functional properties and aesthetic qualities. Evaluate their ideas and products against their own design criteria.

Key Knowledge and skills

Identify the features of an Anglo-Saxon house.

Draw a cross-sectional drawing of an Anglo-Saxon house, annotating it with key reatures.

Strengthen materials using suitable techniques.

Cut materials accurately and safely by selecting appropriate tools, such as scissors and coping saw.

Make products by working efficiently (such as carefully selecting materials).

Create a 3D net of their initial design by: culting along the bold lines, folding along the dotted lines, keeping the tables the correct size, making crisp folded edges and gluing securely to assemble the geometric shape.

Measure and mark out to the nearest millimetre.

Cross-sectional diagram of an Anglo-Saxon hut the parts of this Anglo-Saxon Be these words to help you. Ched straw roof the pit sheep tal pen firebox wooden chest ting benches cauldron rushes ne comb wooden floor boards try table with cloth clay pots Lapestry try table with cloth cloth straw roof sheep Lapestry try table with cloth clay pots Lapestry try table with cloth clay pots Lapestry try table with cloth clay pots Lapestry try table with cloth clay poss Lapestry try tab

Vocabulary

Construct	To make or build something.
3D net	a net is what a 3D (3-dimensional) shape would look
	like if it were opened flat.
Disassemble	To take something apart.
Cross-sectional diagram	A diagram that shows a section of an object by showing it cut across, sideways, presenting all characteristic parts of it.
Thatched roof	A house roof made with a plant material (straw)
Framework	Structure that forms a support or frame for the house.

Evaluate

How stable is your completed structure?

Could you reinforce the design in a different way? Using a different material?

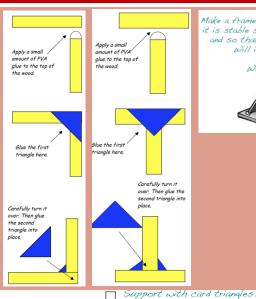
What joins were the weakest and how could this be overcome?

Have you been able to include all the characteristics outlined in your cross-sectional model?

Outcome

To create a model of an Anglo-Saxon hut, annotated with key features to present at an Anglo-Saxon topic fare.

Techniques: joining



Make a frame from tubes - make sure it is stable so that it won't fall over and so that it will keep its shape.

Will it be tent shaped?

Box shaped?

Wigwam shaped?

fabric over a



Card triangle folded at right angle.





