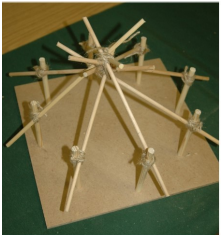


What should I already know?

- How to make vehicles with free running wheels
- Create models with wheels and axles
- Cut dowel using a hacksaw and bench hook
- Observe an adult using a glue gun
- Join appropriately for different materials and situations.
- How to design a product for others and follow a design criteria
- How to generate my own ideas and plan what to do next.
- How to explain what I want to do and describe how I will do it.
- How to describe my design using pictures, words and diagrams.
- How to use finishing techniques to make my product look good.

What new skills and knowledge will I acquire?

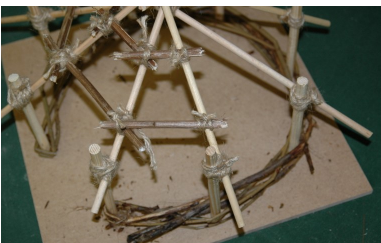
- To construct a frame using dowels and lashing



To weave using resistant materials



To use struts to strength frames.



Design and Technology Knowledge Organiser

Topic: Stone Age to Iron Age Strand: Constructing Structures



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

Design

- Begin to research to understand how a roundhouse was made
- Make, design decisions and have at least one idea about how to create the product.
- Create a plan showing what my product will look like (a labelled diagram), and the tools and equipment I will need.

Make

- Select appropriate materials to make my product.
- Work through my plan in order.
- Measure and mark dowels and thin wood to the nearest cm, and cut accurately with a hacksaw
- Explore different ways of joining wood together
- Create a warp and weft to create walls.
- Understand how varying the position of the number of dowels can affect stability
- To understand how struts add stability to structure

Evaluate

- Evaluate my acquisition of skills -, considering how well they have been made, the materials used, whether they work and use this to inform design decisions.
- Evaluate my finished product and explain how it could be improved.

Vocabulary

assemble	To bring parts together.
annotated sketch	A combination of notes and labelled drawings that provide an explanation about a process
evaluate	Deciding if something has been done in the best way and wondering what could be improved.
lash	To tie together
Rigid	Unable to bend or be forced out of shape.
stable	fixed, firm, or steady in position; not shaky or easily moved
Strut	A piece of material used to strengthen a structure
weft	a filling thread or yarn in weaving

Existing products

