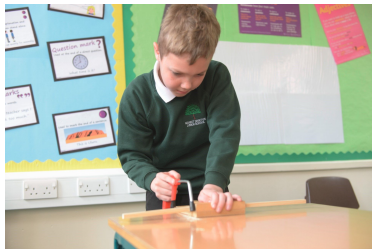


Key Methods

We will be using small hacksaws and bench hooks to cut small dowels for our vehicle axles

Top Tips:

Make sure that whatever you are cutting is firmly held down. Hold the saw with one hand and keep the other hand away from the saw!



Key Vocabulary

Frame Structure
Stiffen
Strengthen
Reinforce
Stability
Shape
Join
Triangulation
Permanent
Temporary

Year 5 Design & Technology Knowledge Organiser

Autumn 2: Frame Structures

Learning Intentions:

- ❑ To explore different types of frame built shelters
- ❑ To explore different shaped frames and evaluate them
- ❑ To learn how to make frames using wood and cutting tools
- ❑ To design an appropriate shelter for our playground
- ❑ To make a scale model of my shelter design
- ❑ To evaluate my shelter



Prior Learning:

- ❑ Experience of measuring, marking out, cutting, joining, shaping and finishing techniques with construction materials
- ❑ Understanding of what structures are how they can be made stronger and more stable.

Project overview:

We will be learning how to design, make and evaluate shelters for our playground. We will be learning how we can design buildings to withstand natural forces and how we can make these shelters a visually interesting part of their surroundings.

Focus Designer Dame Zaha Hadid (Architect)

Dame Zaha Mohammad Hadid DBE RA was a British-Iraqi architect, artist and designer, recognised as a major figure in architecture of the late 20th and early 21st centuries. She designed the London Aquatic centre for the 2012 Olympics

