

Topic: Forest school-Shelter and den building

Year 6 – linked to knots and World War 2 topic

Prior learning

- Look at different tarpaulin shelters with and without the use of trees.
- Consider shape for purpose

Key knowledge I will understand

- Problem solving and planning
- Understand how the properties of different materials found in the forest make them useful for different purposes in a shelter
- Develop and strengthen creative skills
- Learn about testing and refinement
- Experiment with open-ended engineering and design problems
- Apply mathematical knowledge of shape and size

Key vocabulary

- **Shelter**- a place giving temporary protection of safety and of retreat
- **Structure**- a specific arrangement of things
- **Waterproof**- Waterproofing is the process of making an object or structure waterproof or water-resistant so that it remains relatively unaffected by water or resisting the ingress of water under specified conditions.
- **Anderson shelter**-Air raid shelter, built to protect lives during WW2.

How I will investigate

Build a miniature Anderson shelter

- Look at the traditional style of having half underground.
- Consider if a bomb was to explode nearby how that would impact on the structure.
- What are the weak points can they be strengthened.
- Is it waterproof?
- Test each shelter for strength by placing a weight on top.

