

Owl DT Knowledge Organiser Term 2

Construction - Shelters



Key Objectives

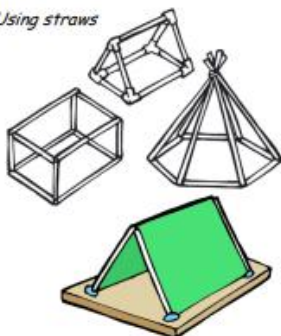
- To research the purpose and design of Anderson Shelters.
- To complete strength testing on various structures.
- To test materials suitable for an Anderson Shelter.
- To design, construct and evaluate my own Anderson Shelter.

Key Vocabulary

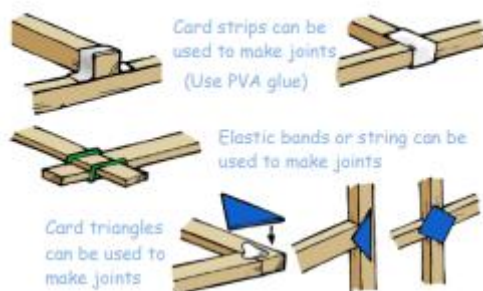
Anderson Shelter	The Anderson Shelter was designed in 1938 and was named after Sir John Anderson who was responsible for preparing Britain to withstand German air raids.
Frame	An open structure that gives shape and support to something.
Structure	A building or other object constructed from several parts.
Reinforce	To strengthen or support.
Tension	A force pulling on the material or structure.
Compression	The application of pressure to squeeze an object.
Triangulation	The use of triangular shapes to strengthen a structure.

Sticky Diagrams

Using straws



Joining thin sectioned pieces of wood



Understanding triangulation

