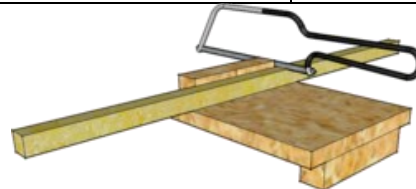




Design & Technology	Year 5
Focus: Structures	
Age related vocabulary	Key vocabulary

criteria	Key goals that a project must achieve in order to be successful	structure	Something that is built or arranged in a definite way
design brief	A written plan that identifies the core details of a project	Junior hacksaw	A saw useful for making cuts in small pieces of metal, wood and plastic
modification	A change that needs to be made	bench hook	A workbench appliance used to hold wood in place while cutting with saw



Key Knowledge

- **Morrison shelters** were indoor metal structures used during WWII for people to sleep in. This meant that they could sleep in their own homes and with a considerable degree of added safety.
- A **butt joint** is a simple joint used to join two pieces of wood together using glue. It involves cutting the material to appropriate length and butting them together.
- Because the butt joint is also the weakest joint, **modifications** may be needed to reinforce it.
- Using a **Junior hacksaw**—
 ⇒ to start a cut, the blade must be slowly pushed across the wood in one long, smooth stroke. Downward pressure must then be used on the push stroke and eased off as you pull the saw back.
 ⇒ a **bench hook** is essential to secure the wood in place before sawing.

	Carlton Assessment Grid		
Success Criteria	Pupil Reflection		Teacher Assessment
I can use research and evaluate the structure of a Morrison shelter	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can use annotated sketches to explain my ideas	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can use a wide range of tools to make a Morrison shelter model structure that is fit for purpose	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can make modifications to strengthen a 3D framework	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can include textile techniques in my work	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can evaluate my Morrison shelter model structure against the design criteria	Before <input type="checkbox"/>	After <input type="checkbox"/>	