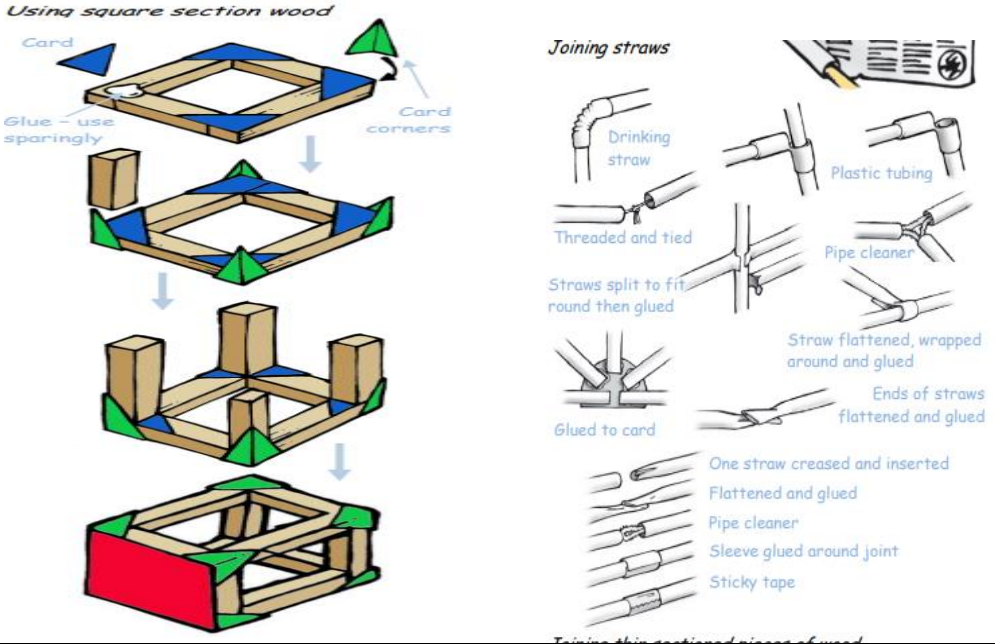
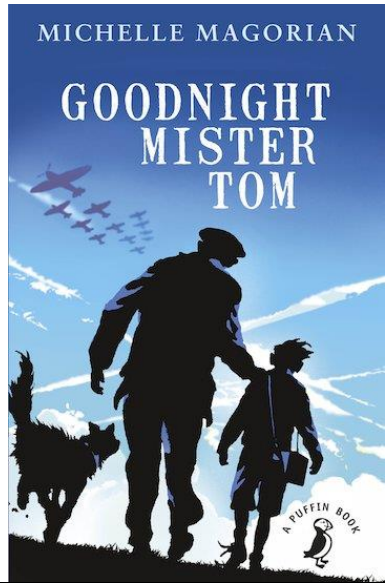




Key Facts	Map/Timeline/Diagram	
<p>Frame structures come in many forms, both portable and permanent e.g. tents, bus shelters, bird hides.</p> <p>Constructed with external and internal frameworks.</p> <p>Record the process of investigating frame structures using photographs and annotated drawings.</p> <p>Frame structures for large scale shelters can be made from broom sticks, garden canes or rolls of newspaper.</p> <p>Ensure children are familiar with all the materials they are likely to use and that these are made easily available and accessible.</p> <p>Ensure children use simple tests to evaluate the functionality and strength of their products.</p> <p>Encourage the children to evaluate each other's work positively</p>		
Key Learning:	Prior Learning:	Books for support/ Enrichment Opportunities:
<p>Discussing ideas, drawing annotated sketches Generating a simple design specification</p> <p>Discussing, modelling and evaluating different options</p> <p>Investigating and testing possible materials Discussing, exploring and evaluating prototypes</p> <p>Discussing, exploring and evaluating different fabric and rigid covering options</p> <p>Negotiating, developing and agreeing a step-by-step-plan</p> <p>Discussing, testing and modifying the design</p> <p>Evaluating the product with the intended user and against the original design specification</p>	<p>Experience of using measuring, marking out, cutting, joining, shaping and finishing techniques with construction materials.</p> <p>Basic understanding of what structures are and how they can be made stronger, stiffer and more stable.</p>	

Subject Specific Vocabulary	
Key word	Definition
Stiffen	make or become stiff or rigid.
Stability	the state of being stable.
Triangulation	Formation of or division into triangles .
Prototype	a first or preliminary version of a device or vehicle from which other forms are developed.
Specification	an act of identifying something precisely or of stating a precise requirement.
Reinforce	strengthen or support (an object or substance), especially with additional material.
Innovation	the action or process of innovating .
Functional	of or having a special activity, purpose, or task.