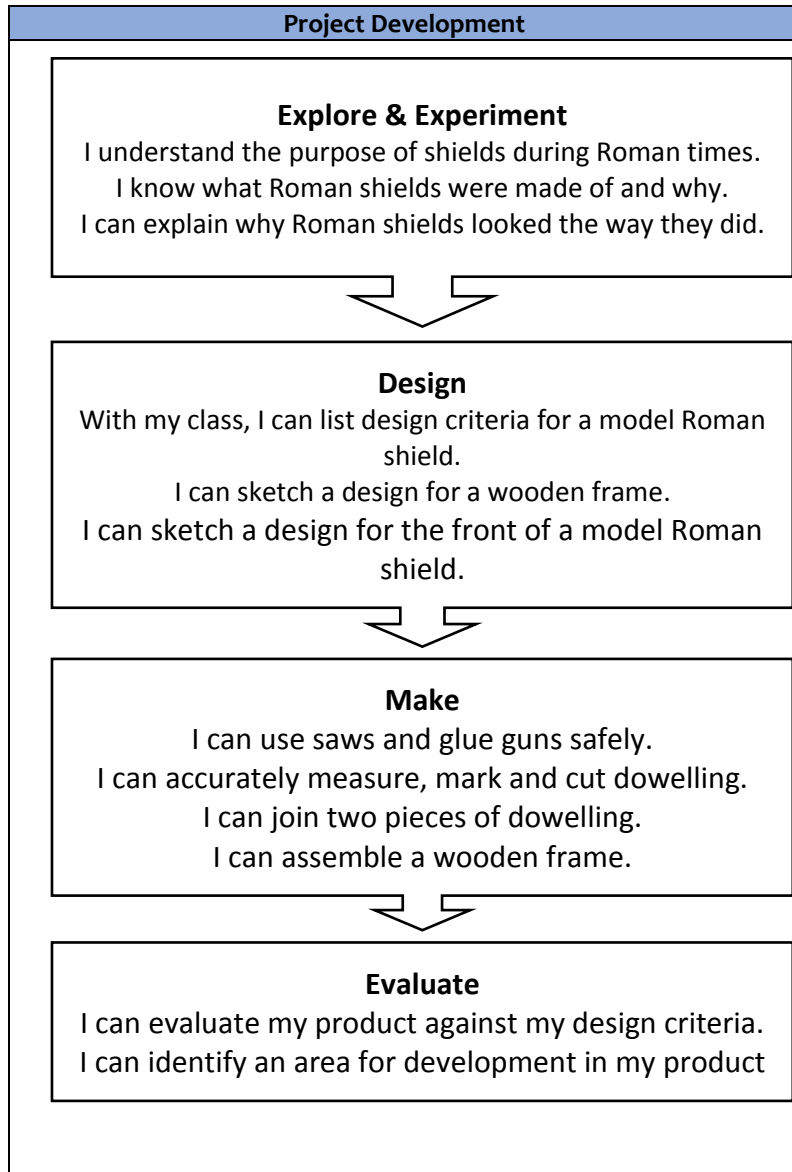




Subject	Design & Technology	Theme	Roman Shields	Term	1 and 2
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What should I already know?

- Products have a purpose
- The purpose of a product influences the choice of materials used
- How to use a ruler to measure and draw straight lines
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What should I know by the end of the unit?

- Understanding the purpose of a product helps explain why particular materials are used
- The importance of measuring accurately when making 3D products
- How to measure and mark accurate lengths
- Ways in which wood can be joined
- Methods for assembling a frame
- How to safely use saws and glue guns

D&T Knowledge & Skills

Begin to understand the D&T cycle: explore – design – make - evaluate

- **Explain the choices of materials** used to make Roman scuta
- Develop a class list of **design criteria** for a successful shield model
- **Measure, mark and cut** wooden dowelling to make a frame
- **Join and assemble** frames accurately (glue gun & corners)
- Use **saws and glue guns safely, following procedures for health and safety**
- **Evaluate product against design criteria**
- **Identify areas for development in their product**

Key Vocabulary	
Scutum/scuta	Roman shield
Design criteria	A list of what a product needs to be or do to be successful
Dowelling	Thin strips of wood used for model making, which can be round or square.
Tenon saw	A saw with a rigid spine along the top of the blade. Good for sawing straight edges
Hack saw	A saw with a narrow blade held in a metal frame
Modelling saw	A small, light saw used for dowelling
Area for development	Something about a product or project that could be improved