

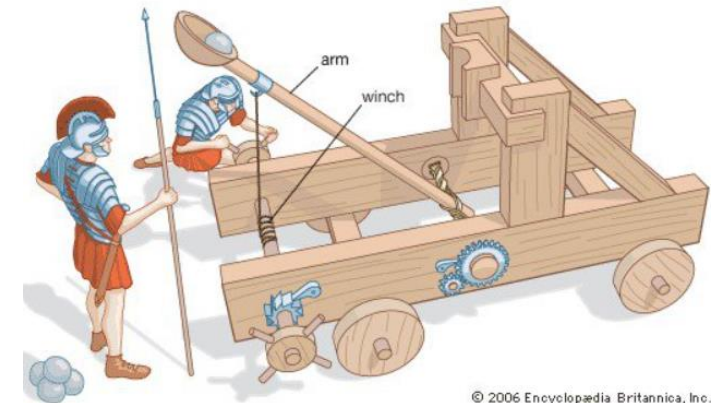


KNOWLEDGE ORGANISER: DT - Roman Catapults Year 4

Key Equipment	
Tool	Use
Japanese pull saw	To cut wood accurately by pulling, not pushing.
Screwdriver	To screw parts together securely.
Hammer	To gently tap nails or join wooden pieces.
Glue gun (adult use)	For strong, fast-setting joints.
Ruler & pencil	For measuring and marking materials.

Project Summary:

You will research, plan, design, and build a working Roman-style catapult using wood, elastic, and other materials. You'll learn about levers, tension, and historical purpose while improving your skills with tools.



Key outcomes:

Design and build a functional catapult using safe handling of tools and materials.

Understand and apply knowledge of levers, tension, and stable structures to create an effective mechanism.

Evaluate your finished catapult by testing it and explaining what works well and what you would change.

Safety Tips:

- Always cut away from yourself and keep fingers well clear of blades.
- Use a clamp or bench hook to hold wood when sawing.
- Wear safety goggles when using tools (if required).
- Ask for help with sharp tools—especially the Japanese pull saw and glue gun.
- Carry tools safely (pointed ends down).