



Design Technology

MECHANISMS



National Curriculum Objectives

To communicate ideas and apply knowledge to own design

To know how to create mechanical systems for a catapult

To select and use tools safely

Key Vocabulary

design	pulleys	stable
sketch	levers	material
projectile	structure	moving
catapult	mock up	Key: Substantive Bigger picture

Glossary

pulley	
lever	
projectile	

Learning intents questions

Learning intents questions	Pupil	Teacher
Can I investigate a range of existing products and use this to inform and design my own product?		
Can I communicate my ideas through annotated sketches and diagrams?		
Do I understand and use mechanical systems e.g. pulleys and levers?		
Can I select and effectively use a range of materials to create my own model catapult?		
Can I evaluate my product against my original design and consider how I can improve my work.		

