



# Explore and use mechanical systems to make a Greek Chariot

## National Curriculum Objectives:

To communicate ideas and apply knowledge to own design

To know how to create mechanical systems for a Greek Chariot

To select and use tools safely

Core Vocabulary			
design	chariot	axel	colour
rotation	Greek	size	wheel
sketch	durable	strength	movement

Key: Disciplinary Substantive Bigger picture

Glossary of key words and their meaning

rotation	
durable	
sketch	

Learning Intent Questions	Pupil	Teacher
Can I investigate and analyse a range of existing products?		
Can I use research to develop design criteria and inform my own design ensuring that it is innovative, functional, appealing and fit for purpose?		
Can I develop, model and communicate my ideas through discussion, annotated sketches, diagrams, prototypes etc?		
Can I select from and use a range of materials, components and tools to make my model?		
Do I understand and use mechanical systems to make my model move e.g. wheels and axles design criteria and consider the views of others to improve		
Can I evaluate my ideas and product to improve my work?		

