# 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: Substantive Bigger picture

## Glossary

| | |
|---|---|
| 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 | | |
| Can I evaluate my ideas and product to improve my work? | | |