



Year 5 Knowledge Organiser

DT Summer Term
Greek Temple

What I should already know.

- Create shell or frame structure, strengthen frames with diagonal struts.
- Make structures more stable by giving them wide base.
- Prototype frame and shell.
- Measure and mark square selection.
- Create nets.
- Identify the strengths and weaknesses of their design ideas.
- Decide which design idea to develop.
- Consider and explain how the finished product could be improved.

Structures

What will I know by the end of the unit?

Ancient Greeks put great emphasis on their religion and beliefs.

The Parthenon took 48 years to build and was for their gods to live in.

The columns are cylindrical.

Ancient Greek architecture influenced other buildings.

The Greeks used simple pulley systems to transport the heavy stone.

Testing the strength of the structures by loading weights onto them.

Which structures are the strongest.

Vocabulary

Supported

Ionic

Cylindrical

Corinthian

Stable

Doric

Distribute

Frieze

Load

Capital

Pillar

Shaft

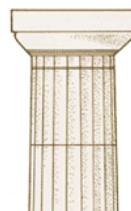
Column

Base

Flutings

Even spacing

DORIC



IONIC



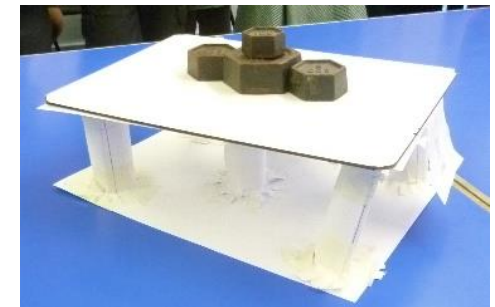
CORINTHIAN



Key Knowledge

Investigate products/images to collect ideas
 Sketch and model alternative ideas
 Develop one idea in depth
 Record ideas using annotated diagrams
 Use found information to inform decisions
 Give a report using correct technical vocabulary
Use the design criteria to inform their decisions about ways to proceed
Justify their decisions about materials and methods of construction
Identify what does and does not work in the product
 Make suggestions as how their design could be improved

Outcome



Investigate!

Research, design, build and test the strength of historical-based structures as models.