



# Year 3 Knowledge Organiser

DT Summer Term

Wooden Roman Photo Frame

## What I should already know.

- Make a basic structure
- Describe the materials that I have used to make my structure
- Know the features of familiar products
- Find out how to make materials for my structure stronger, by folding and joining
- Select appropriate tools, techniques and materials explaining my choices
- Use a range of joins
- Know how to make structures stronger by folding, joining or by shape.

## Structures

What will I know by the end of the unit?

Measure and cut a frame from wood.

Attach a card backing to the frame.

Make a stand.

Decorate in historical-based patterns.

Links to Year 3 theme of the Romans.

Use the TASC wheel to carry out a project.



## Vocabulary

Wooden frame

Saw

Card backing

Mosaic

Corner pieces

Sandpaper

Joints

Measure

Decoration

Attach

Roman

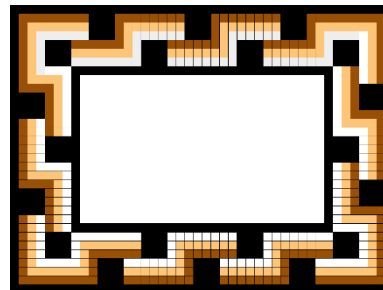
Strengthen

Celtic

Alternative design

Stand

Safety aspects



## Key Knowledge

Think ahead about the order of their work and decide upon tools and materials.

Plan a sequence of actions to make a product.

Record the plan by drawing (labelled sketched) or writing.

Create shell or frame structure, strengthen frames with diagonal struts.

Measure and mark square selection, strip and dowel accordingly to 1cm.

Use glue gun with close supervision (one to one).

Cut slots.

Identify the strengths and weaknesses of their design ideas.

Consider and explain how the finished product could be improved.

## Outcome



## Investigate!

Measure and cut a strong frame incorporating a strong backing and stable stand, decorated with historical-based designs.