



# Year 4 Autumn Term: Greek Triremes- Floating Structures

Main Theme: Local

PSHE Link: Pride

## Key Skill –Structures - Shell Structures

### Prior Learning

Links to prior learning – Year 2 – To design and make a toy fire engine



### Key Vocabulary

Edge – where two surfaces meet at an angle.

Net – the flat or opened-out shape of an object such as a box.

Recyclable- an item which can be used again.

Shell structure – a hollow structure with a thin outer covering.

### Enquiry Questions

What features are required to fit the design brief of creating a floating waterproof structure?

Can I research and investigate different floating structures?

Can I design my own floating waterproof structure by considering different materials?

What design features are required?

Can I use materials to ensure it is strong?

Can I make sure my floating structure is waterproof?

What additional details and skills can be used to finish my product?

Can I use equipment safely?

Can I evaluate my floating structure again my design brief?

