

Design Technology Cycle A Y4

Structures - Shell structures

Lesson 1

How can we use research to investigate different shell structures?

shell structure
three-dimensional
(3-D) shape
net

Lesson 2

How can we use nets with flat faces to construct 3-D shapes?

cube
cuboid
prism

Lesson 3

What different ways could we use to stiffen and strengthen a shell structure?

corrugating
ribbing
laminating

Lesson 4

How can we design a shell structure to withstand mountain conditions?

font
lettering
text
graphics

Lesson 5

How can we apply our knowledge and skills to create a high-quality shell structure?

joining
assemble
accuracy
material

Lesson 6

Assessment

How well does our final shell structure meet the design specification, and how effective is it for the intended user and purpose?

design brief
evaluation

What will we be learning about over the coming weeks?