

Vocabulary

CAD (computer-aided-design: is the use of computer-based software to aid in design processes.
2D: two-dimensional.
3D: three-dimensional.
Packaging: materials used to wrap or protect goods.
Prototype: a first full-scale and usually functional form of a new product.

Links to other subjects

Theme: Roman Britain Maths: measurement – 2D and 3D shapes/measuring in cm and mm:

Y3 – Shell Structures

Designing and making 3D structures using computer-aided-design (CAD)

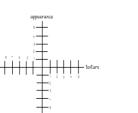
Key knowledge and skills

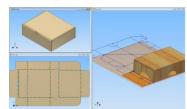
We are starting to understand how computers can be used to design a product. We can generate, develop, model and communicate ideas through computeraided design.

We can use our designs to make a prototype of a final product. We can use our understanding of measurements to accurately measure and make a product to hold a food item.

Health and safety We can use scissors carefully to cut around our design.







Equipment used Scissors, ruler, computer, CAD software, card



To design and make a cardboard container to hold a food item.

To use CAD software to design a packaging to hold a food item.

Design Criteria:

lt must:

- securely hold a salad
- have a lid
- be to the correct size
- have an attractive label



Links to prior learning and next steps:

УІ — Freestanding structures У5 — Structures

