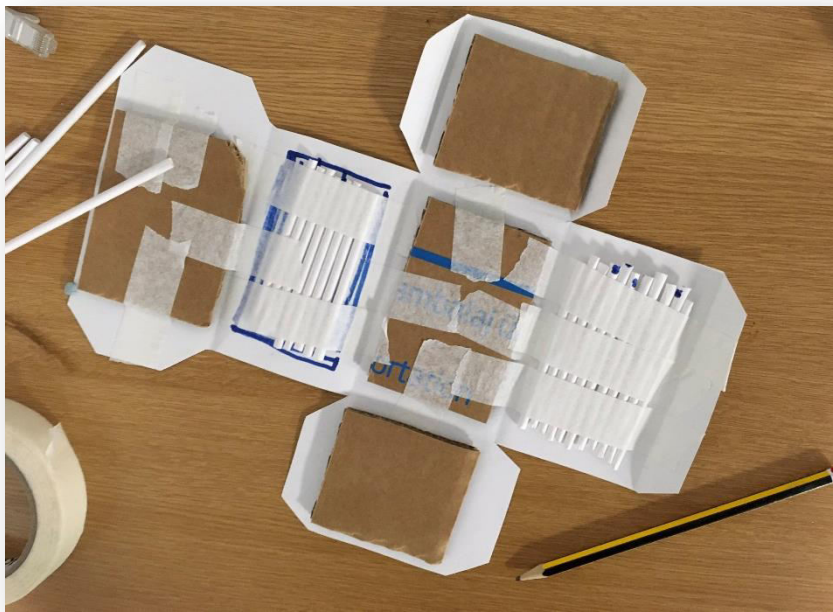


# STRUCTURES: BISCUIT PACKAGING

Design, make and evaluate packaging (**product**) for shortbread biscuits (**user**) to prevent them breaking in transit (**purpose**).

*Key Focus: Shell structures (and using CAD)*



## KEY KNOWLEDGE AND SKILLS

- Develop and use knowledge of nets of cubes and cuboids and, where appropriate, more complex 3D shapes.
- Develop and use knowledge of how to construct strong, stiff shell structures.
- Know and use technical vocabulary relevant to the project (e.g., shell structure, three-dimensional, shape, net).

## RELEVANT PRIOR LEARNING / UNITS

- Experience of using different joining, cutting and finishing techniques with paper and card.
- **[Year 3 Maths – Geometry -Properties of shapes]** An understanding of 2-D and 3-D shapes in mathematics and the physical properties and everyday uses of materials in science.
- Some children may have familiarity with general purpose software that can be used to draw accurate shapes, such as Microsoft Word, or simple computer-aided design (CAD), such as 2D Primary by Techsoft.

Previous structures units:

Y1 Structures (freestanding structures): Furniture for the three bears

NAME: \_\_\_\_\_