

Objectives

Design

- To use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.
- To generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.

Make

- To select from and use a wider range of tools and equipment to perform practical tasks.

Evaluate

- To investigate and analyse a range of existing products.
- To evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

Technical Knowledge

- To apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

Key Vocabulary

manipulation	Handle or control in a skillful manner.
contour drawing	An art technique in which the artist sketches the outline
stop motion animation	When objects are physically moved in small movements and photographed.
articulated	Having two or more sections connected by a flexible joint.

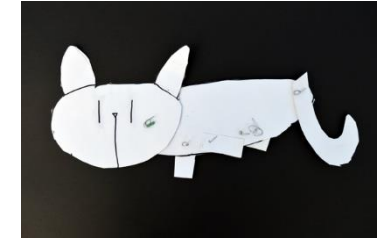
Design Criteria

To create a stop motion animation of an articulated beast that moves in several places.

Making and evaluating



Manipulate wire using pliers



Create and cut out key features of the animal



Join parts together using wire to allow movement.

Add sticks to allow movement.



Create a stop-motion animation using a series of photos.