



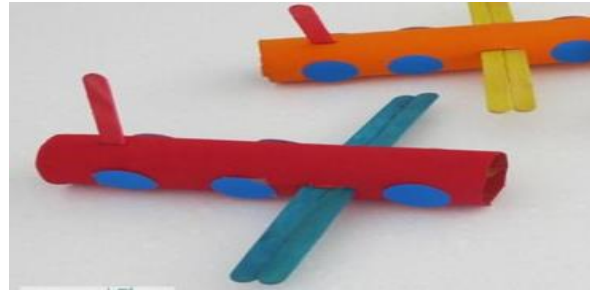
Year 1 D.T - Aerodynamics

What I should already know

To recognise that different materials and equipment can be used to create different outcomes.

At the end of this topic, I will know:

- To know how the shape of planes have changed over time.
- To use different materials to create a final product.
- To evaluate and discuss which materials have worked best and why.



Key Facts:

- To know that a diamond is a popular kite shape.

- Most aerodynamic objects are made from lightweight materials.

- Most kites are made from some of the following materials: lightweight paper, nylon, bamboo/wood and plastic.

The main parts of a kite include sail, spars, tail, bridle lines, vents and keel.

Vocabulary

Design	To make or draw plans for a certain purpose or reason.
Evaluate	Deciding if you have done something the best way and looking at what could be improved.
Materials	A range of media including: cardboard, wooden sticks, plastic bottles, straws to design and create your kite or aeroplane.
Aerodynamics	Investigating how air travels around something that is moving through it. How does the object travel through the air before landing?
Testing	Testing the product to see if it is doing its job correctly. Does your object travel through the air smoothly?

