Start Date: 31st October 2022

Finish Date: December 2022



**Hook:** A range of historical pictures and artefacts related to flight, for the children to explore, ask and answer questions about.

Rationale: Pupils will be given the opportunity to develop enquiry, research and analytic skills using a range of resources. They will increase their understanding of the world and how humans adjust and explore to change how we live within it.

**Outcome:** Children will create and fly their own gliders. They will use their skills to find ways to improve the efficiency of Father Christmas' sleigh!

# Focus Area: History

Through study of a variety of sources, pupils will develop their historical interpretation and enquiry skills to learn about events beyond living memory which have impacted upon the whole world. They will also consider the lives of significant individuals including the Wright brothers; the first people to fly and the historic flight of Amy Johnson. They will look at different forms of transport that have helped us to fly and consider the impact that the development of flight has had upon the human race and where it might lead us.

### Supporting Focus Area: Geography

Pupils will continue to build their knowledge of our continents, oceans and equator by looking at the journey of Amy Johnson across the world.

### Science: Uses of every day materials

Pupils will identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

Children will find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

# Supporting Focus Area: Design Technology

Children will explore a range of flying machines. Using a range of materials and considering how recycling objects can protect our planet, children will plan, construct, test and evaluate their own flying machines! PLEASE BRING IN A CARDBOARD CEREAL TYPE BOX!

#### Discrete Teaching Programs (DTPs):

Reading Phonics Spelling Handwriting Mathematics: addition and subtraction, shape Music RE PE - space dance English: firework poetry, On the Way Home, The Lost Present Computing - creating media - digital photography PSHE: belonging to a community and safer relationships DT: Design and make a glider & textiles - making a Christmas stocking

<u>Family Home Linked-Learning</u>: Science - Recycling materials - record the types of materials that you recycle at home for one week. E.g. glass, paper, metal etc. Which material did you recycle the most? How did you recycle each type of material?

up and away!

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