

Intended Learning Objectives

Early Years Foundation Stage and Key Stage 1

Teddy's Travels

- Explore different types of transport around the Museum
- Solve simple clues to identify transport
- Discover some fun facts about transport at the Museum.

Fantastic Flight

- Discover how aeroplanes fly (forces)
- Identify the different parts of aeroplanes
- Compare aeroplane designs through time.

Magnificent Materials for Flying Machines

- Explore the properties of everyday materials
- Identify which materials were used in making early aircraft
- Explain why these materials were used.

Remembrance

- Explore ways in which we remember people and events
- Learn why we wear poppies on Remembrance Day
- Discover stories of different people and animals who served with the RAF.

Key Stage 1 and Key Stage 2

Your Local History

- Discover and value the aviation history (technology and people) of your local area
- Explore maps of your local area to find connections to aviation and the RAF
- Relate Museum aircraft to your local history.

Look, Learn, Sketch: Exploring wartime art and objects

- Explore different artists and their artworks as a response to wartime
- Recognise artworks in different mediums (painting, sculpture, drawing)
- Refine observational drawing skills through a series of quick sketching activities followed by a longer, more focused drawing
- Experiment with different artistic techniques such as mark making, composition, lighting, and shading.

Hands-on History: First World War

- Discover and compare different roles of aircraft during the First World War
- Investigate and identify objects used during the First World War
- Explore stories of people who served during the First World War.

Air Raid

- Explore what life was like for people during the Second World War
- Recognise the importance of the role of the ARP warden during the Blitz
- Discover and compare different roles in the RAF during the Second World War.

Wartime Classroom

- Discover the effects of the Second World War in the air on civilians
- Explore what life was like for children during the Second World War
- Compare the modern classroom to that of the Second World War
- Demonstrate this knowledge by engaging in a role-play of the Second World War classroom.

Pilot Skills: Coding

- Recognise that coding is a set of instructions which must be correct for the program to work
- Code and test a micro:bit as a reaction timer and as a compass
- Identify how these activities relate to the RAF.

Battle of Britain

- Discover the role the RAF played in the Battle of Britain
- Explore the stories of people who served during the Battle of Britain through objects and artefacts
- Collaborate with a small group to produce an original presentation or retelling of one of these stories.

Science Show

- Explore how aircraft have developed over time
- Identify the four forces of flight and how they apply to aircraft
- Recognise the challenges of flying at altitude and identify solutions.

Levers, Pulleys and Simple Machines

- Identify different types of simple machines
- Explore the effects of simple machines such as levers and pulleys on the effort required to move a load
- Discover examples of simple machines used by the RAF.

Pilots of the Caribbean

- Explore the stories of people of colour who served in the RAF
- Discover and value the history and contributions to the RAF of people of African and Caribbean descent
- Name and recall different job roles within the RAF.

SEND

Sensory Story

- Explore a range of aviation artefacts using all senses
- Discover that pilots wear special clothes when flying a plane
- Engage with a simple story.

Hands on History: Second World War

- Explore some Second World War artefacts using all the senses
- Discover how some of these artefacts were used
- Engage with activities related to the Second World War.

SEND Discovery Box

- Explore some Second World War artefacts using all the senses
- Discover how some of these artefacts were used
- Engage with activities related to the Second World War.

Key stage 3 and above

Under Pressure

- Identify that heat, air pressure and G forces cause problems for the survival of pilots and aircraft
- Explore and observe the effects of changing temperature, air pressure and G Force on the human body through a range of demonstrations and experiments
- Recognise the challenges of flying at altitude and identify solutions.

Debate Space

- Identify what a structured debate is and how it works
- Explore a topic from different points of view
- Explore concepts and issues related to artificial intelligence and drones OR the environment
- Select and present arguments and opinions as part of a structured debate.

Flight Factory Challenge

- Explore and identify the structures which were used to make First World War aeroplanes
- Design and fabricate a wing structure using the materials provided
- Collaborate as a team to build, present and test a wing structure.

Pilot Skills: Coding

- Recognise that coding is a set of instructions which must be correct for the program to work
- Code and test a micro:bit as a reaction timer and as a compass
- Identify how these activities relate to the RAF.

Battle of Britain

- Discover the role the RAF played in the Battle of Britain
- Explore the stories of people who served during the Battle of Britain through objects, artefacts and documents
- Collaborate with a small group to produce an original presentation or retelling of one of these stories.

Hands-on History: First World War

- Explore the changing nature of warfare leading up to and during the First World War
- Investigate the development of military aviation technology
- Discover the challenges faced by aircrew a century ago and the solutions developed to overcome them.

Flying Colours

- Discover the roles and contributions of Black, Asian, and ethnically diverse men and women who have served in the RAF
- Explore stories of ethnically diverse people who served during the First World War, the Second World War, through to today.

Pilots of the Caribbean (online)

- Discover the roles and contributions of Black, Asian, and ethnically diverse men and women who have served in the RAF
- Explore stories of ethnically diverse people who served during the First World War, the Second World War, through to today.

Science Show

- Explore how aircraft have developed over time

- Identify the four forces of flight and how they apply to aircraft
- Recognise the challenges of flying at altitude and identify solutions.

The RAF Museum as a Business

- Explore how the RAF Museum runs as a business
- Recognise the ways that the Museum attracts visitors and generates income
- Investigate possible challenges the Museum faces due to external influences.

Fiona Banner Study Day

- Improve drawing skills using a variety of different methods
- Explore the artwork and artistic practice of Fiona Banner
- Understand how to create a visual story by curating artwork for an exhibition
- Evaluate and analyse artwork.

War in the Air 1914-1918 Study Day

- Explore the contribution of air power to the conduct of the First World War
- Engage with first-hand documentary accounts, photographs, artefacts film and oral testimony from the RAF Museum's collections
- Discover the many different elements of the war in the air, via group study, gallery trails, handling artefacts, discussion and debate materials.