

Fantastic Flight

National Museum of Flight Scotland

You will find the answers to these questions by reading the instructions in the exhibition, trying out the activities and looking at the information boards.

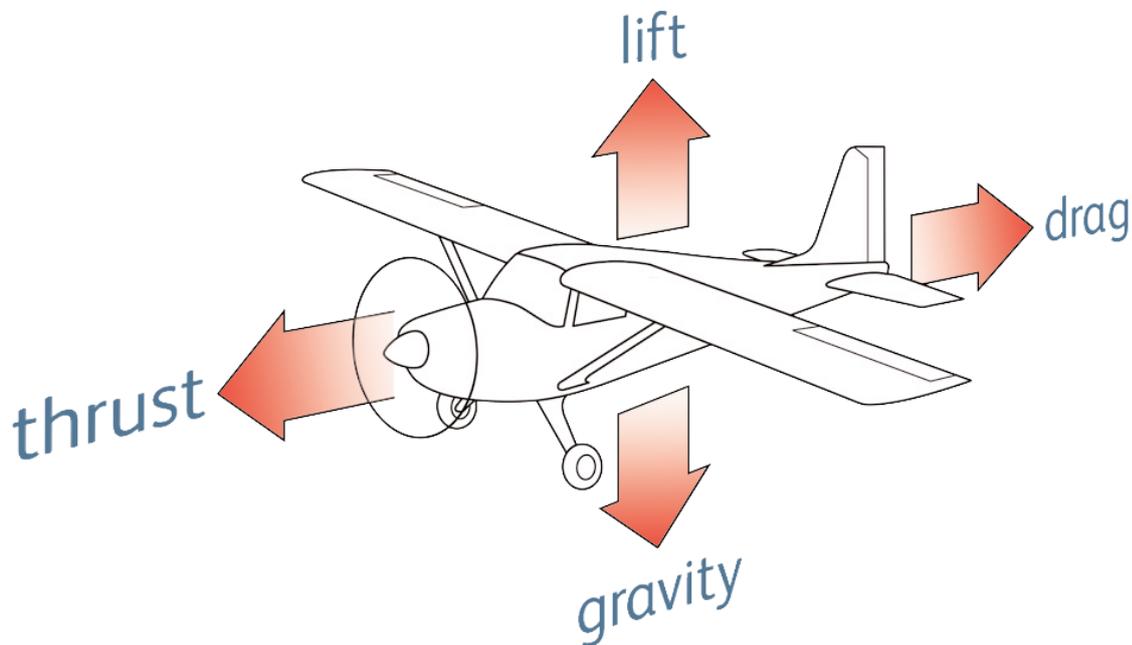


Illustration by Terry Pasteur



How things fly

What are the four forces of flight? Fill them in on the picture above. The first one, gravity, has been done for you already.



Design and build

Aircraft are made of different things, we call these things materials. List one good thing and one bad thing about each of the materials mentioned in the exhibition.

Material	Good	Bad
Aluminium Alloy	strong	heavy
Carbon Fibre	light	expensive
Glass Fibre	light	breaks easily
Wood and Fabric	light	not very strong



Flying an aircraft

Draw a line between the sentence and the answer or missing word.

1. _____ is seeing things out of the corner of your eye.
 2. An instrument that shows how high an aircraft is flying.
 3. The different directions an aeroplane can move in.
 4. A pilot who flew around the world on their own in 1966.
 5. These can push an aircraft off course.
 6. Pilots use _____ to train on at first to safely practice for normal and unexpected conditions.
- simulators
peripheral vision
Sheila Scott
roll, pitch and yaw
altimeter
cross-winds

Back at School

Write a report from memory on one of the activities you did. Explain what you did and what you learnt. Draw a diagram to show how the interactive worked.