



Animation Script



Flying high with careers in aviation Cranfield University

To make the most out of this script, you could:

- Stick it in your book as a record of watching the team's animation
- Pause the animation and make notes as you go
- Add your own illustrations to the sheet
- Create your own animation to accompany it
- Add notes from classroom discussions
- Make notes of areas you will investigate further
- Make notes of key words and definitions
- Add questions you would like answered – you can message members of Cranfield University through the comments box at the bottom of the article:

www.futurumcareers.com/flying-high-with-careers-in-aviation

SCRIPT:

In 1903, Orville and Wilbur Wright successfully built and flew the world's first motor-powered aircraft, in a flight that lasted a grand total of 12 seconds. Since then, aviation has really taken off. Today, millions of people take to the skies every day, flying all around the world.

Keeping these planes flying safely and airports running smoothly requires a huge range of professionals, from the well-known roles of pilots, cabin crew, air traffic controllers and engineers, to lesser-known occupations in safety, compliance and air transport management. Members of Cranfield University are keen to share their insights into these wide-ranging career opportunities.

Over the course of his career as a pilot, Rob has flown military jets on the front line of warzones, transported goods and passengers around Europe in commercial planes and educated students about the intricacies of flight in Cranfield's own aircraft.

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Aeronautical engineers are responsible for designing and testing all aspects of an aircraft, which involves everything from the electronics in the navigation system to the turbines in the engines. Simon, a mechanical engineer with a background in flight dynamics, has previously studied helicopter gearboxes and worked with radar communications as an engineer in the Royal Air Force.

Airports function thanks to the work of check-in agents, security officers, baggage handlers, air traffic controllers, technicians and fleet managers. Anna spent many years managing the aircraft fleets and operations of commercial airlines, which involved checking aircraft performance, ensuring all aircraft were maintained and training crew.

Safety is a top priority in aviation, so every part of the industry includes roles to ensure that flying is as risk-free as possible. As an aviation safety and compliance manager, Rhiannon monitors the safety of Cranfield's aircraft and flights to identify any potential hazards before they become a safety concern.

The aviation industry is infamous for its contribution to climate change, which is why there are now a huge number of roles aimed at improving its negative environmental impacts. Thomas specialises in aviation sustainability, and is hopeful that new technologies, such as using hydrogen as a zero-emissions fuel to power planes, will help to reduce the industry's carbon footprint.

As you can see, there is a wealth of opportunities available in the world of aviation. Whether you dream of flying a plane, building a helicopter, managing an airline, keeping people safe while flying or improving the sustainability of the industry, what could you achieve with a career in aviation?