

Welcome to Aeronautical Engineering

We are looking forward to you joining us in the autumn. You may have studied this subject already or this might be completely new to you. Whatever your starting point, we are ready to support you with your learning.

You will find a range of resources below to help you prepare for your course. Keep notes about what you have found out or learnt to support your learning later on.



Let your career take off with Cornwall College!

Read

Books | Magazines | Newspapers

Flight Global is a magazine that will give you access to news, analysis and developments within the aerospace sector. Register to get online access <https://www.flightglobal.com/>

FlightGlobal
Pioneering Aviation Insight

Aerospace Magazine

<https://www.aerosociety.com/aerospace>

The Engineer

<https://www.theengineer.co.uk/aerospace/>

TCT Magazine

https://www.tctmagazine.com/topics/aerospace_manufacturing/

Aerospace Testing International

<https://www.aerospacetestinginternational.com/online-magazines>

SAE International

<https://www.sae.org/publications/magazines/aerospace-engineering-aerospace-defense-technology>.

Aeroplane Monthly the history of flight

<https://aeroplanemonthly.keypublishing.com/>

Here's what happens during a sonic boom

<https://www.businessinsider.com/sonic-boom-explained-2016-1?r=US&IR=T>

Watch

YouTube

Learn how airplanes work by understanding the four forces of flight and how a wing generates lift.



The Aerodynamics of flight on YouTube - <https://www.youtube.com/watch?v=5ltjFEei3AI>

Learn all about the Sonic Boom <https://www.youtube.com/watch?v=c4XZ761c07U>

Science of Flight | Breaking the Sound Barrier and Beyond

<https://www.youtube.com/watch?v=RdhMbIIY23Y>

Jets Breaking the Sound Barrier over Water <https://www.youtube.com/watch?v=-9r5I8bBzEk>

Take a tour of Duxford Air Museum. Explore Concorde, Comet, Vulcan, Lancaster, Spitfire, TSR-2, Harrier and more... Click on the link below

<https://youtu.be/IMwi3cka-i0>

Visit the Cornwall Aviation Heritage Centre and explore historic aircraft. Gain work experience volunteering to work at the Heritage Centre as part of your course; while you study at Cornwall College.

<https://www.cornwallaviationhc.co.uk/>

Listen

Podcast | Radio | Audible

The Airplane Geeks™ podcast is a weekly audio program that looks at the world of aviation. It aims to educate and inform you, explore and expand your passion for aviation, and entertain you a little along the way. We discuss commercial, military, and general aviation topics, usually with a prominent industry guest. **Link to podcast:**

<http://www.airplanegeeks.com/category/episodes/>



Get Involved

Competitions | Social Media

We are on Facebook, please search for **Cornwall College** and follow us! Showcasing a range of student work from the Engineering and Aerospace department.

A4 Competition Can you make a paper airplane with just one sheet of A4? If you think you can, design a paper airplane following these simple rules;

1. It must be an original, idea.
2. You can only use one sheet of A4 paper.
3. It must be able to fly 7 meters.
4. It should be fun!
5. Once you think you have a winning idea post on our Facebook page.
6. We will give mentions to the best original ideas.

For Inspiration click on the link below and see how an F15 Paper Airplane is created.

<https://www.youtube.com/watch?v=RrkwgpUUXe8>



Foldable Flight

132K subscribers