

Year 11 into 12 Engineering

So you want to be an Engineer, the following resources will kick start your CTEC in Engineering.

The Institute of Engineering Technology IET

<https://education.theiet.org/secondary/teaching-resources/#terms=6064&categories=all&page=1&pageSize=6>

This resource provides 5 hours of study of some of the key topics that we will study in units 1, 2 and 3. They are all Maths and Physics based, so have your calculator ready.

The Institute of Civil Engineering ICE

Civil engineers are engineers who build structures, roads, bridges and sky-scrapers. The following resources from ICE give you loads of background information about who to get into the profession. Also find out how to become an Awkwright scholar and get your University fees paid!

<https://www.ice.org.uk/what-is-civil-engineering/inspire-the-next-generation/educational-resources#secondary-upper>

Eco-Innovators competition

[https://s3.eu-west-2.amazonaws.com/yearofengineering/media/14-19 Competition pack.zip](https://s3.eu-west-2.amazonaws.com/yearofengineering/media/14-19%20Competition%20pack.zip)

You could jump right in and start engineering straightaway by entering this competition to design a street based electric vehicle charging point. In the next decades these may become as common a sight as a petrol station is today.

Exploring electrical engineering

<https://www.ucas.com/ucas/after-gcses/find-career-ideas/explore-jobs/job-profile/electrical-engineer>

and finally...

Sign up for the Khan academy course on electrical engineering and you will be way ahead by the time you start your CTEC in September.

<https://www.khanacademy.org/science/electrical-engineering>