



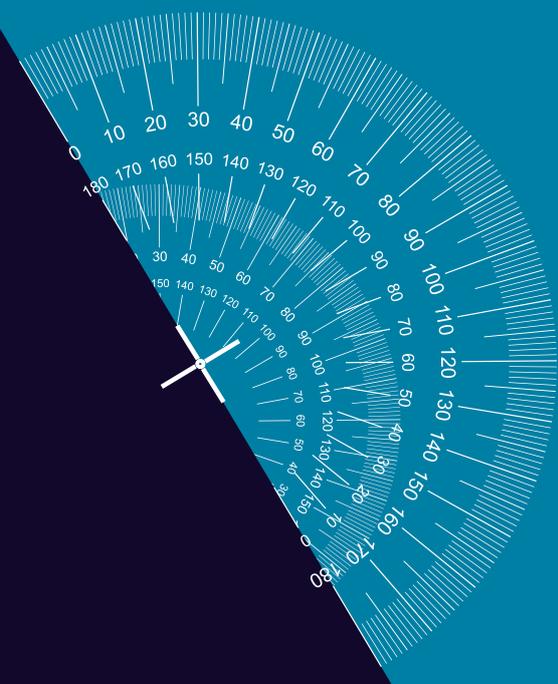
The future of skills in engineering – virtual goody bag





Engineering is all about combining creative ideas with practical applications. From the aerospace and automotive industries to housing and healthcare, engineering is the ideal choice for people with a creative flair and a pragmatic mind.

Inside this virtual goody bag, you will find resources for both teachers and students. From research and blogs to posters, booklets and activities, **we have everything you need to inspire your learners to explore engineering.**



Inspiring future engineers

Whether your learners want to head for the stars, drill deep into the earth or help build and improve the world around us, **there's a career in engineering for them.**

Posters & post cards

› [Where will BTEC Engineering take you?](#)

We've created a poster highlighting aspirational engineering careers for you to share with learners or to aid discussions with parents.

› [Find your route into engineering](#)

A series of 8 themed postcards showing exciting areas where engineers are making a difference.

› [10 great reasons to become an engineer](#)

There are hundreds of reasons to become an engineer or a scientist. Find out more about 10 of them.

› [Start your future](#)

A free poster download showcasing David, a former BTEC Engineering learner and current apprentice at Rolls-Royce.

Quizzes

› [Ever wondered what an engineer does?](#)

Answer a few short questions and find out how your skills and passions could lead to an exciting job in the future.

› [Careers quiz](#)

Take our 3-minute quiz to uncover your strengths and get information based on your interests and aspirations.



Guides

› [What is engineering?](#)

This 8-page booklet helps students and teachers understand engineering.

› [Idea to career booklet](#)

12 different engineering disciplines to help students work out which area(s) might be right for them.

Events and activities

› [Energy Quest for schools](#)

This free workshop challenges young people to put themselves in the shoes of engineers to design a solution to power a mobile phone.

› [Robotics Challenge](#)

A curriculum-linked programme that sees students (11 to 14's) working together in teams to solve real-world engineering, technology and computing challenges.

› [The Big Bang](#)

Big Bang Digital could be the spark for young people to see how the very subjects they're studying can lead to some of the most interesting, exciting and fulfilling careers.

Further resources

› [BTEC options](#)

The new BTEC options tool has been designed to help centres talk to students and parents about their next steps.

› [Neon Futures](#)

Bringing STEM to life through real-world engineering. Brilliant experiences, inspiring careers resources and stories that showcase modern engineering.

› [Real engineers](#)

Hear from the professionals in these inspiring case studies.



More from Pearson



A BTEC in Engineering is a great choice for students looking for a **practical and creative qualification**. The course aims to provide students with the relevant skills and knowledge that employers value, as well as the confidence to progress into a **fulfilling, exciting career**.

› [What is a BTEC?](#)

BTECs are high quality, career focused qualifications grounded in the real world of work.

› [Where's next with BTEC?](#)

A guide for learners and parents exploring BTEC and pathways into university and starting in the world of work.

› [Getting started with BTEC in schools](#)

We've created this short guide to help you get started delivering your new BTEC qualifications.

› [CPD - getting started with the BTEC Tech Award in Engineering](#)

If you're new to BTEC or need a refresher, we've created a series of videos to help you deliver your new Level 2 and Level 3 Engineering qualifications.

› [BTEC support services](#)

Helping you to plan, deliver and administer your course.

› [Whole-school curriculum design](#)

We're working with schools and trusts to help them develop a curriculum that ensures everyone can make progress.

➤ [The extended curriculum from Pearson](#)

A snapshot of our qualifications at KS4.

➤ [CPD - Looking to maximise your online teaching skills?](#)

With the dramatic change in how teaching and learning now takes place, we've developed a range of free online courses to help you keep pace with latest best practice and improve your skills.



A spotlight on employability



EngineeringUK's 2019 analysis projected annual demand for **124,000 engineers** and technicians with core engineering skills across the economy. Find out how you can **champion employability** in your school or college.

› [Future ready framework](#)

The Pearson Future Ready framework sets out the KS2 to KS5 learning outcomes across four parts, one for each of the key characteristics of students as they develop their Future Ready skills.

› [Employability portfolio](#)

Young people are expected to enter the workforce with a wider range of skills than ever before. This guide will take you through the reasons behind the increasing need for those skills.

› [Future Ready Today podcast](#)

Join us fortnightly as we speak to teachers, examiners, employers and industry partners about how they are empowering today's learners.

› [The future: a jenga game of skills?](#)

What could be truer in today's society? Adaptability, flexibility, value; it's what all learners are asking for.





We hope you've found the contents of this goody bag useful. You can find out more about us and our resources at:
www.pearson.com/uk

