

World of Work Week

Engineering and Manufacturing
16th-20th November 2020

We are excited to welcome you to our Virtual World of Work Week. This week is designed to inspire the next generation as we explore the many and varied opportunities available to students in Engineering and Manufacturing in the Black Country. We want you to get the most out of the week so we have produced the support pack to help prepare you.



Over to you!

We will be covering a broad range of sectors and industries over the week, to give you a broad range of information.

We want you to be involved.

Please look through the timetable and list of providers and send your questions to us in advance. Questions will be asked on your behalf and entered in to a prize draw.



Please send your questions in advance to worldofwork@blackcountryconsortium.co.uk

Week Overview

Mon AM	Introduction to Engineering
PM	Engineer's Journey
Tue AM	Engineering in the NHS Public Perspective
PM	Learn Live Event
Wed AM	University or Apprenticeships Engineering of the Future
PM	The Parent Perspective
Thur AM	Post 16 Engineering Local Opportunities
PM	Women in Engineering
Fri AM	Military Engineering
PM	Inclusive Industry

More Info below

Pupil prep

To support you to prepare your students for World of Work Week we have included a collection of activities. Please let us know how you got on.

True or False

Engineering is a career that is best suited to men.

FALSE - Although Engineering is male generally dominated, it is a career that both men and women are great at.

Engineering always involves getting your hands dirty.

FALSE - Many jobs do not require you to even leave the office and some need extremely clean environments.

Manufacturing requires you to have good hand to eye coordination.

FALSE - There are so many different types of jobs. Some do require good hand to eye coordination but many do not.

Engineering is a well paid job.

TRUE - The average wage for an engineer is £17,000 a year above the national average.

The Black Country has a strong connection to engineering and manufacturing.

TRUE - The Black Country benefited well from the industrial revolution and continues to be built on engineering and manufacturing.

How did you do? What did your students learn?

Pupil Prep continued

The Black Country has just under 2,500 businesses' in Engineering and manufacturing.

FALSE - There are over 4,300 businesses in engineering and manufacturing in the Black Country

Engineering is the 3rd biggest Sector in the Black Country.

TRUE - Of the 10 main career sectors. Engineering & manufacturing is 3rd, providing over 15% of jobs in the Black Country.

Wolverhampton employs the most people within engineering and manufacturing?

FALSE - the 67,805 employees, working in engineering and manufacturing. Sandwell employs the most followed by Dudley, Walsall and then Wolverhampton

Engineering and manufacturing in the Black Country contributes approximately 300million to the economy

FALSE - Engineering and manufacturing in the Black Country contributes over 2.7bn.

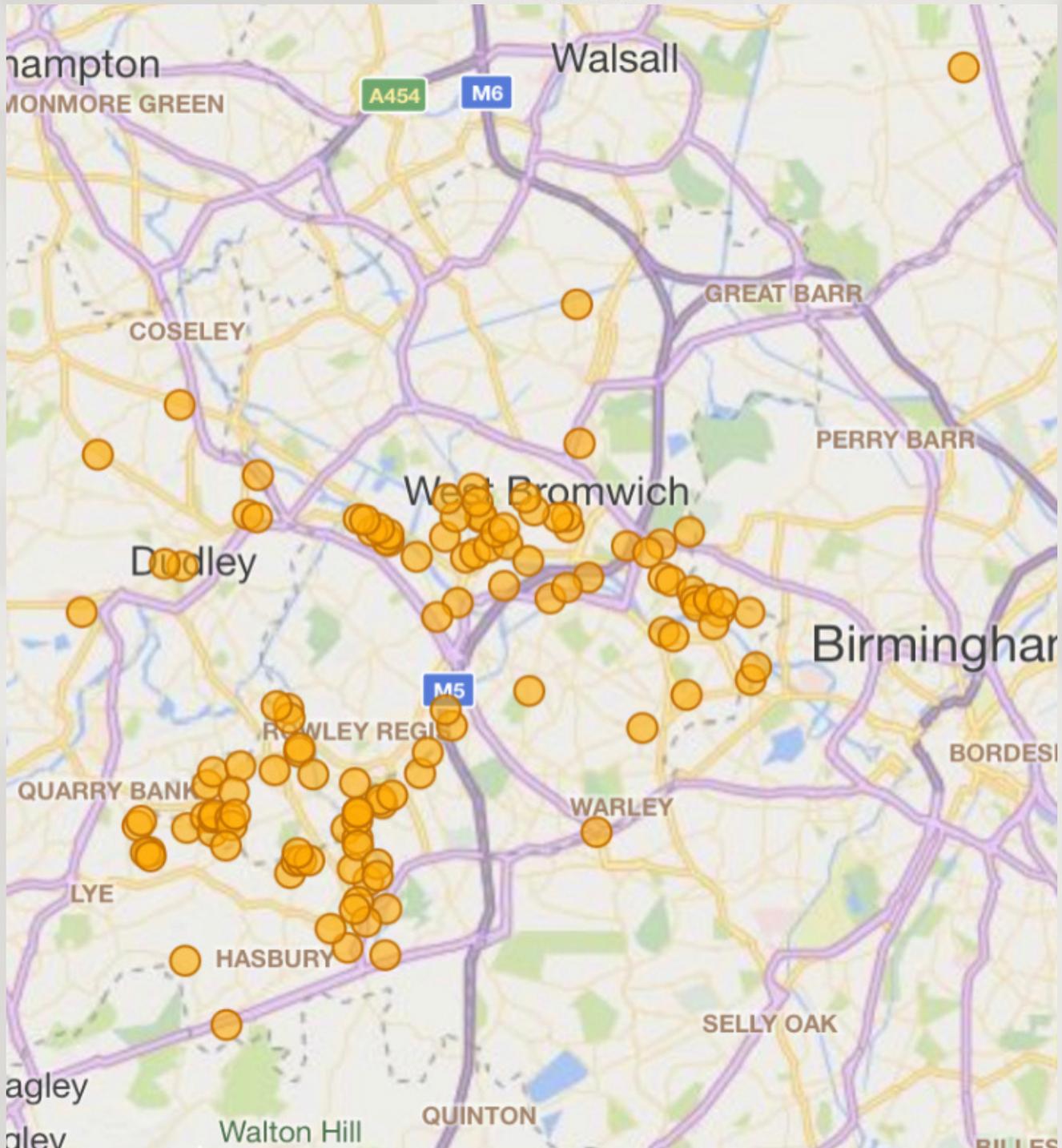
Working in Engineering and manufacturing can be an exciting career.

TRUE - Engineering and manufacturing is and industry of innovation and pushing boundaries. It's about problem solving and making things work.

How did you do? What did your students learn?

Pupil Prep continued

Engineering & Manufacturing Hotspots



Session By Session

Below is a more detailed overview of what each session includes and what to expect. All year groups should be able to benefit from the sessions but we have included a key to identify the years that will benefit most.

Aimed at: KS2 ● KS3 ● KS4 ● Post 16 ●

Monday Morning - 9:00 - 10:00 - Introduction to Engineering ● ●

The session will start with a launch and welcome to the world of work week. We will have a brief look at local engineering and manufacturing from history. We will hear from 5 local companies that all play a different role within engineering.

Monday Afternoon - 13:30 - 14:30 ● ● ●

Hear the experiences of 5 engineers who work locally. Learn from the journeys they have taken and what their job looks like. Once you have heard, you get the opportunity to ask questions, via the chat function or through questions sent in, in advance.

Tuesday Morning - 9:00 - 10:00 - Engineering in the NHS ● ● ● ●

The NHS has approximately 1.5 million employees and is the biggest employer in the Black Country. There is such a broad range of industries within the NHS including engineering and manufacturing. Join us as we draw back the curtain on one of the largest companies in the world.

Tuesday Morning 11:00 - 12:00 - Public Perspective ●

Explore the ways to up skill and develop further knowledge, to excel at a career within engineering and manufacturing. Great insight in how to climb the ladder and increase job opportunities.

Arranged by Serco

Session By Session Continued

Tuesday Afternoon - 13:30 - 14:30 - Learn Live Event

In addition to demystifying Engineering, it will explore the different types of career pathways available in the sector. It will highlight the options available to you as well as hearing from existing Apprentices talking to you about their experiences.

Arranged by Learn Live and Next Gen Makers

Wednesday Morning 1 - 9:00 - 10:00 - University or Apprenticeship?

There are so many options and choices available to young people. Two of the main areas to consider are the academic route and the apprenticeship route. We will explore both routes to work out the benefits of each.

Wednesday Morning 2 - 10:30 - 11:30 - Engineering of the Future

Change occurs everywhere all the time. A career such as engineering gives you the chance to shape the future. We will explore what the future may hold within engineering and what the future careers will look like.

Arranged by Making Learning Work

Wednesday Afternoon - 1:30 - 2:00 - Fees, Loans and free money for university

Enter a myth busting session into the world of student finance with Jon Cheek from UniTasterDays. Can you really afford to go to university? Ask the expert.

Wednesday Afternoon - 1:30 - 2:30 - The Parent Perceptive

Hear first hand the experience of father and son, who work side by side in engineering. Ask the experts about what it's like to work as an apprentice.

Session By Session Continued

Thursday Morning 1 - 9:00 - 10:00 - Post 16 Engineering

Learn from some of our amazing colleges, about how they support young people into engineering and what they offer future engineers. Understand the range of courses and opportunities they offer.

Thursday Morning 2 - 10:30 - 11:30 - Local Opportunities

Hear from local business about the exciting opportunities that they hold. Learn about some of the interesting projects they are working on the careers involved.

Thursday Afternoon - 13:30 - 14:30 - Women in Engineering

Celebrate the women who are paving the way for future women within the industry. Hear their fascinating stories as they talk about their journey and experiences as well as the roles they have.

Friday Morning 1 - 9:00 - 10:00 - Military Engineering

Explore the vital and varied roles that the engineering plays within the armed forces. Hear the different ways to enter the armed forces for a career in engineering and the benefits of doing so.

Friday Afternoon - 13:30 - 14:30 - Inclusive Industry

There are many groups of society that are often under represented in careers. Listen to an inclusive employer about the opportunities engineering presents to those who may need that extra support.

* Some sessions may be subject to change

**For more information about the sessions. Please Contact is at
worldofwork@blackcountryconsortium.co.uk**

Many thanks to all our partners who have helped to make this event possible.

