



WEEKLY OPPORTUNITIES NEWSLETTER

YEAR 9

w/c 5th December 2022



Dear Student/Parent/Carer,
Recording interactions on Unifrog

Could you let Mrs Farmer know if you take part in any virtual or in person opportunities advertised in this Newsletter please? It is important that young people keep an electronic record of all the interactions you have with Further Education, Higher Education and employers. Please email ffarmer@toothillschool.co.uk with the date of the activity and the name of the activity.

Enjoy

The Toot Hill Careers Team

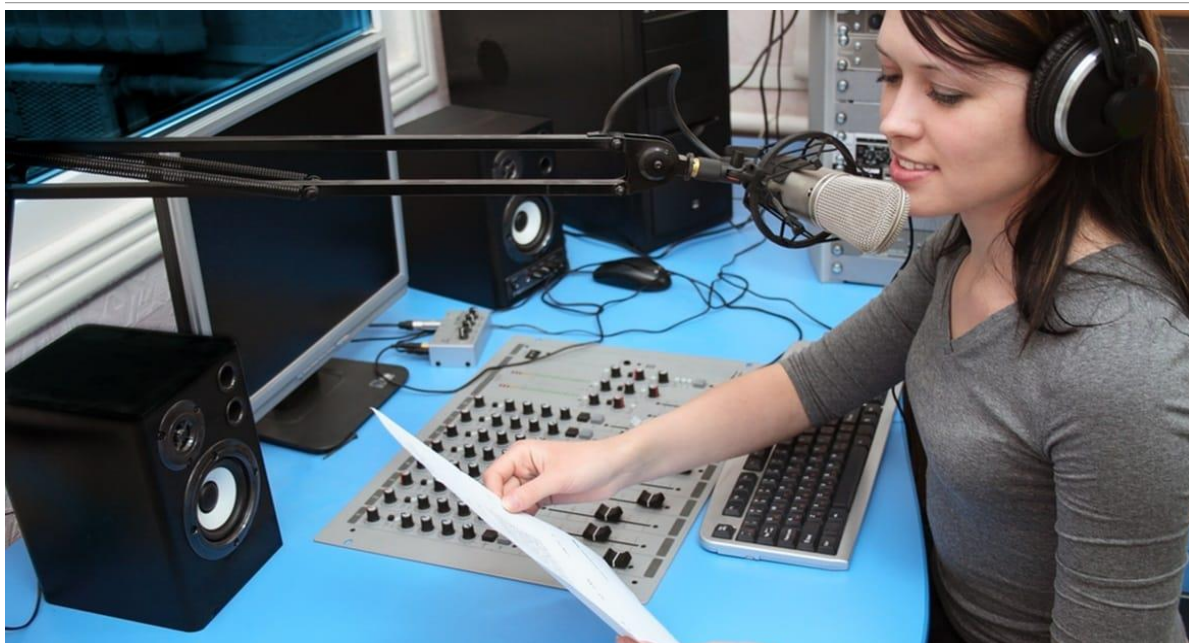
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Career Of The Week

Broadcast engineer



What you'll do

You'll work on studio and outside broadcasts (OBs), post-production operations, and new media like interactive TV and webcasts.

Your duties could include:

- setting up studio equipment for transmission and editing
- designing and setting up audio and video circuits
- installing multimedia hardware, software and other digital broadcast technology systems
- setting up and operating links between studios and OB units
- editing programmes live as they're being transmitted or recorded
- testing and servicing equipment
- finding and repairing technical faults

You'll work as part of a team that includes producers, studio managers and presenters.

Record relevant activities you've already done on the [Activities tool](#)

Working hours and environment

You'll usually work around 40 hours a week. Shift work is common, including weekends and nights.

You may need to work extra hours at short notice.

You'll work in recording studios, studio galleries, control rooms or maintenance workshops.

You might work in all weather conditions and locations, when you're working on OBs.

You might work away from home and overseas.

Career path and progression

With experience, you could move into management.

You could also work freelance.

Skills required

You'll need:

- practical and technical skills
- communication and teamwork skills
- IT skills

Got evidence of these skills? Record your examples on the [Skills tool](#)

Entry requirements

You'll usually need to start on an in-house engineering training scheme.

Schemes include the BBC's [engineering trainee scheme](#) and [engineering sponsored degree apprenticeship](#).

You could have an advantage if you have paid or unpaid experience in using broadcast technology equipment from a placement with a broadcaster, by working on student film or TV productions, or community or hospital radio.

If you don't start through a training scheme, you'll usually need:

- experience in maintaining and repairing electronic equipment
- to be familiar with broadcast technology
- a work-related qualification in electronic or electrical engineering

Related university subject profiles

These university subjects are related to this career; check out their profiles on the Subjects library:

- [Electronic and Electrical engineering](#)
- [Information systems](#)

Related career profiles

You may also be interested in:

- [Electronics engineer](#)
- [Live sound engineer](#)
- [Newspaper or magazine editor](#)

Explore

Want to see what relevant education and training opportunities are available right now? Search here:

Electronic and Electrical engineering at uni:

[USA](#) [UK](#) [Canada](#) [Europe](#) [Asia](#) [Australasia](#) [Ireland](#)

Information systems at uni:

[USA](#) [UK](#) [Canada](#) [Europe](#) [Asia](#) [Australasia](#) [Ireland](#)

Apprenticeships:

[UK](#)

Labour Market Information (LMI)

UK Current Jobs

Engineering professionals (SOC3)

UK jobs: 352,664

Nottinghamshire jobs: 5,257 (15th of 214 UK LEAs)

Top 5 LEAs: Hampshire (12,260), Surrey (9,470), Lancashire (8,860), Essex (8,283), Hertfordshire (8,251)

UK Salary

Electronics engineers (SOC4)

UK annual median: £49,367

Engineering professionals (SOC3)

UK annual median: £42,697

East Midlands annual median: £43,062

Top 3 regions: Scotland (£44,852), East of England (£44,145), South East (£43,810)

UK Prospects

Science, research, engineering and technology professionals (SOC2)

UK growth: +9.1% from 2017 to 2027, creating 159,466 jobs

East Midlands growth: +10.7% from 2017 to 2027, creating 12,438 jobs

USA Salary

What is it like to study engineering at Toot hill Sixth Form

BTEC Extended Certificate in Engineering

If you are daring to know in engineering:

- Consider listening to a range of podcasts such as 'Impulse to Innovation' – by IMechE, and any others to help introduce the numerous sectors of engineering!
- You could read interesting subject related books – for example Structures: Or why things don't fall down by J. E. Gordon, or you could take a look at autobiographies such as How to Build a Car by Adrian Newey.
- Try watching fun documentaries - I enjoyed Richard Hammond's Engineering Connections!

Course Info:

BTEC Engineering covers a broad basis of study for the engineering sector. The course has many exams and coursework tasks that you will work through over 2 years, all adding up to a final grade! (you can also resit some exams in your second year to improve your grades)

You will study four separate units:

- UNIT 1 – Engineering Principals (Mathematics unit)
- UNIT 2 – Delivering Engineering Processes Safely as a Team (Practical group project unit)
- UNIT 3 –Engineering Product Design and Manufacture (Product designing unit)
- UNIT 10 –(Computer Aided Design Unit)

Taking BTEC Engineering Further:

It is strongly recommended to take the course alongside other STEM courses such as A-Level Maths, Physics, Chemistry, and Biology to qualify for different degrees or apprenticeships post Toot Hill:

- **University Degrees** allow students to have careers in the vast engineering sector, which could be anything from working on massive infrastructure, to working on microelectronics – everything around you has been engineered by someone – there are lots of specific courses at degree level to choose from!
- **Apprenticeships** also offer a career path into the sector as well, but offer a different experience to university – students gain real work experience in the job that they are training for – well known placements include large brands such as Jaguar and Land rover as well as MANY more.

Fun Facts!

- Some influential engineers you may have heard of before include the likes of Henry Ford, Nikola Tesla, and Leonardo Da Vinci
- I believe that engineering is an important subject to learn about because you can visualize how things are made from the ground up, from concept to reality!
- I personally picked this subject as I much prefer to get my exams done sooner than later, and I love the practical aspect that this course offers me.

Slide by Lawrence Preece-Herrett - 4404LaPr16@toothillschool.co.uk

Celebrating achievement

Year 9 - Fraser, participation in GB U16 Ball Hockey Team

Fraser got on with the GB U16 Ball Hockey team at the Alpa European Cup in Pardubice, Czechia earlier in the year.

Fraser was one of the youngest members of the team (and physically smallest) but following first day training sessions was picked as centre on the second forward line. This was a challenging role as the centre is expected to play forward and defence, covering all aspects of the game.

GB U16 have never won a game in international competition and were up against two of the best nations in the world in Czechia and Slovakia. First game was against Czechia U14 national team and GB lost 7-4. Fraser scored on his debut and the team were level at 4-4 with less than 10 minutes to play. They had never scored 4 goals in a game before.

The following three games against two Czechia national U16 squads and the Slovakian U16 National team were chastening experiences, losing 10-1, 12-2, and 21-0 in sweltering temperatures. The team never gave up, kept trying to play, and looked after each other in some quite physical situations. Commitment, teamwork and perseverance were all well to the fore.

Final game for the bronze medal was against Slovakia. Fraser scored after 52 seconds and then again after 3 minutes 52 seconds to put GB 2-0 ahead. At the end of the first period it was 2-1 GB, the first time they have ever won a period. It was 2-2 at the end of the second, and they eventually lost 6-3.

Although it may not sound it the tournament was a huge step forward for the team, scoring 10 goals, with Fraser being joint top scorer with 3, and giving one of the major nations a huge fright.

Fraser's confidence has grown, which will help him at school as he now realises that hard work does bring results. His teamworking skills have developed, as have his listening skills and ability to take on board new ideas. He has two more years playing for this team and is now aiming to develop his personal skills further to potentially lead the team in two years' time.

Well done Fraser on all your achievements.

INVESTIN

The New Year Career Guide

Free-of-charge resource to help your students unleash their career potential

Your complimentary careers resource

THE NEW YEAR CAREER GUIDE



★ Trustpilot 4.9/5 from 1,200+ Trustpilot Reviews

INVESTIN

We are delighted to provide you with our latest resource to help your students unleash their career potential: [The InvestIN New Year Career Guide](#).

The Guide provides exclusive insights on how students can succeed in their careers after school, including advice on how to find the right career, build resilience and use creativity in the workplace.

[Access The Guide](#)

The Guide is suitable for ages 12-18. We kindly ask you to share this email with your students to help them in their career journeys.

At this festive time of year, our minds turn to those children who need our help the most. For each person who accesses our New Year Career Guide, we shall make a donation to UNICEF.

Our Summer Experiences



Students can register for these before December 31st at a 15% early-bird discount using the code SUMMER15.

Our Summer Experiences offer the ultimate, 360-degree experience of professional life for ages 12-18. Students will experience working at top industry sites across London, including immersions in hospitals, courtrooms, skyscrapers, film sets and much more. Students can register now for a career experience like no other!

[Register Now: Ages 15-18](#)

Register Now: Ages 12-14

Enrichment Photography Competition

Molly has entered the Young Photographers Challenge, which is a charity competition for World Kindness Day. Molly in Year 8 has taken these beautiful photos for a photography competition she is entering. Well done Molly on taking part in this enrichment opportunity. The photographs are beautiful and we wish you lots of luck.



If you have any comments or feedback on the Newsletters please email ffarmer@toothillschool.co.uk and not reply to this email as these Newsletters are sent from a no reply email address.

Thank you