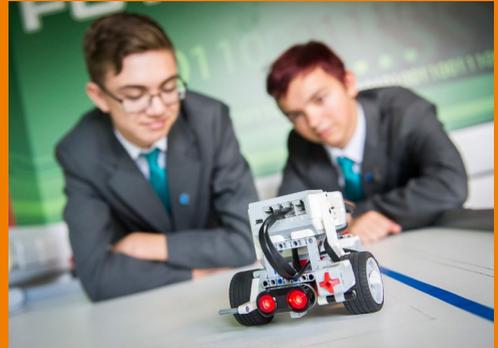UTC
SHEFFIELD
OLYMPIC
LEGACY PARK

Computing
@ UTC Sheffield Olympic Legacy Park

Are you full of ideas? Do you like solving problems? Do you enjoy playing online games or using technology to make and create?

Perhaps you're already writing software apps, joining in hackathon events and building your own products.

At UTC Sheffield you could bring your ideas to life in all sorts of ways – coding, playing with 'big data' to find hidden patterns and trends, making apps and digital products that are really engaging for people to use.

Employers are becoming increasingly dependent on these skills as technology is now such a big factor in almost every walk of life.

What job could I get?

Below are a few examples of the many jobs available within computing professions which need young people with technical skills:

Software Developer

Also known as programmers or coders, software developers design and build computer systems for all sorts of uses – from healthcare systems to manufacturing robotics, to software in customer electronics like mobile apps.

Games Developer

Computer games developers produce games for PCs, games consoles, the internet and mobile devices. Games design, looking at how a game might play, how a level might work, what will make it engaging for users, are all key skills alongside programming.

User Experience Expert

User experience (UX) roles are focused on creating a successful digital experience. That means understanding what users need and what problems need solving. Psychology plays a large part. There are a variety of roles available in the field.

Data Scientist

Data scientists capture and develop ways of learning from data. They work in all sorts of organisations and they have to understand the problems they're trying to solve, so they need to be good with organisations and people as well as computing.

More Career Ideas: Operational Researcher, Information Scientist, IT Security, Systems Analyst, Website Designer, Telecommunications Engineer, Network Engineer...

Employment of tech specialists is growing over four times faster than other UK professions

Useful Links

- madewithcode.com
- uk.code.org

For more job profiles visit:
- nationalcareersservice.direct.gov.uk

Employer-led projects

You will undertake projects set by some of the region's leading IT companies.

We already have organisations with major IT departments involved in the UTC – organisations such as the Home Office, SIV and Sheffield Teaching Hospitals Trust – alongside local entrepreneurial companies such as BirchenhallHowden, Mundojumbo, Scrapbook Development, SkillsLogic, and Yoomee.

You will work with computing professionals on a whole range of project ideas – not just related to healthcare and sports; for example you might be working with the Home Office on a project to look at ideas for managing airport congestion.

Given the location on the Olympic Legacy Park and the focus on Health Sciences as well as Computing, there will be significant opportunities to work with athletes and healthcare professionals on projects to do with health, wellbeing and lifestyle. For example, you might work with SIV (who run the English Institute of Sport in Sheffield) on developing a new wristband to help members monitor their exercise.

These are just some of the employers you'll be working with:

How to apply

You can join UTC Sheffield in Year 10 and Year 12.

Entry to the UTC is free and non-selective. UTCs are government-funded.

There are no entry requirements for Year 10. For details of how to apply and our Y12 entry requirements, visit our website.

A Level choices are tied to specialisms and therefore timetabled in specific locations (City Centre or Olympic Legacy Park) but there may be opportunity for flexibility. Please contact us to discuss your A Level choices if you are interested in A Level options across institutions.

For details of how to apply, visit our website: utcsheffield.org.uk/apply

We encourage everyone who wishes to apply to come to one of our showcase and taster events.

To check dates and book your place, visit: **utcsheffield.org.uk/events**