In2scienceUK | Summer Programme 2022

Improving Social Mobility and Diversity in STEM

HGF Case Study

In2scienceUK

HGF

Thank You For Supporting Our Mission

The 2022 In2scienceUK Programme supported 669 young people across the UK, providing them with opportunities to interact with cutting edge STEM researchers, learn employability skills and gain an insight into STEM degrees, apprenticeships and careers.

The programme wouldn't be possible without the support of our funders, partners and volunteers, who believe in our mission to promote social mobility and diversity in STEM and empower young people from disadvantaged backgrounds to achieve their full potential.

669

Students on the programme

252

Volunteer hosts leading placements

39

Skills, employability and careers workshops delivered

86

Workshop leads and panellists delivering workshops

Programme Engagement

Workshops

Our schedule of workshops throughout the summer enhance participants' skills, knowledge and confidence in successfully pursuing STEM careers. HGF employees contributed to an online workshop, 'Panel: Intellectual Property'. 15 students attended the workshop live, and a recording was made available for students unable to attend live.

15 **Live workshop attendees**

"I really liked this workshop, it was refreshing to hear that you just need to do what you enjoy and that many of the patent attorneys didn't actually know what they wanted to do. It was very informative and gave lots of detailed information about the career of a patent attorney."

Student feedback from 'Panel: Intellectual Property'

"The workshop was really insightful and eye opening. It definitely gave me a lot to think about and relieved some stress regarding my career options."

Student feedback from 'Panel: Intellectual Property'

"It was interesting to learn about STEM patenting and how STEM interacts with law."

Student feedback from 'Panel: Intellectual Property'

"It was good, it gave me a better insight into the different careers and what they involve."

Student feedback from 'Panel: Intellectual Property'

Student Case Study - Peace

Peace got involved with the In2scienceUK Summer Programme to gain practical experience and a deeper understanding of the different career pathways that STEM has to offer. She found the online workshops and in-person placement very valuable. Peace credits the programme for broadening her horizons and solidifying the decision that a career in STEM is for her.

"I wanted to take part in the In2scienceUK programme because it was a free programme for disadvantaged students like me to connect with experts from different areas in STEM. I really wanted to explore the STEM field beyond the classroom and speak to professionals and see the work they do in their institutions. The ability to take part in virtual workshops suited for different STEM fields and the placement opportunities were what really grabbed my attention. Being able to experience this was a wonderful opportunity!

My experience on the In2scienceUK programme was wonderful. The staff who organise the programme are so friendly and supportive. Being able to connect with other students and make friends was something I truly enjoyed. Even after the programme I still speak to some of the friends I made at the beginning.

"The In2scienceUK programme was really enjoyable, especially during the placement where I got to meet my hosts!"

"Applying to the programme is the best thing you could do. If you're unsure of what career in the STEM field to do, this is honestly a life saver. With the workshops and the placement, I can't praise it enough!"

The highlight of the programme for me was my placement which took place at the Imperial Centre for Translational and Experimental Medicine. I assisted in staining cells and creating 3D models of a lung blood vessel. I really enjoyed doing this as it helped develop my practical and analytical skills.

I also gained communication and teamwork skills when speaking to different experts during my placement. Having to complete tasks together required a lot of teamwork and communication to avoid damaging the equipment.

My aspiration after I finish year 13 is to get into university and study medicine. I want to try and publish a paper or journal. The In2scienceUK Summer Programme has reinforced my positive views towards a STEM degree but also broadened my horizons into the various opportunities there are in the STEM sector."

Student Case Study - Hannah

Hannah applied to the In2scienceUK Summer Programme to try something completely new and to develop her confidence. She really enjoyed being able to take part in a week-long placement at The University of Oxford and would strongly recommend the experience to other students. After completing the programme, Hannah feels more confident and has a deeper understanding of the different career paths that are available to her.

"The placement involved so much more than I initially expected and I loved it! I have done experiments at school but the experiments we did during the placement were much more advanced. Being able to get hands-on lab experience has been great and I have been introduced to lots of research and new skills. Everyone at the placement was so supportive and I enjoyed being able to attend with another student.

The highlight of the placement was the amount of involvement that I was able to have. Considering this was people's research and work, I really didn't expect how much they allowed us to do and get involved with! We got to work with lots of different members of the team which meant I learnt about different specialisms.

"I was nervous before the placement but I had a great experience and it really helped me build my confidence."

"The In2scienceUK Summer Programme was great!"

The biggest skill I developed is my confidence and that is why I applied to the programme. It was really great to see that the researchers were just normal people, it isn't what I expected when I thought of researchers and professors at The University of Oxford. They were all really supportive! If you messed something up, there was always help on hand to sort it out and remind you they mess things up too.

I'm still not sure if university is definitely what I want to do, but after completing the programme, I feel a lot more inspired to go to university. I am also now interested in apprenticeships. My advice to others thinking about getting involved in In2scienceUK would be to just do it!"

Student Case Study - Ashmeet

Ashmeet wanted to learn more about a career in STEM so applied to the In2scienceUK Summer Programme. She wanted to gain practical experience outside of the classroom and really enjoyed her placement. After completing the programme, Ashmeet is now more confident about her future and would recommend In2scienceUK to other students, even if they are unsure of what they would like to do as a career.

"I got involved with In2scienceUK because I wanted to gain experience in STEM beyond my school curriculum. Completing the In2scienceUK Summer Programme was an amazing experience!

During the programme, I had fun and I gained deep insight into scientific research. It made me realise that no matter what STEM job you look into, there is so much more that goes on behind the scenes in those professions.

The highlight of the placement was being able to observe a patient having EEG, a test to record electrical activity in the brain. During the week, I was also able to improve many skills. These include my confidence, communication, teamwork, patience, and problem solving skills.

"Completing this programme will give you a new experience which will always be memorable."

"The In2scienceUK Summer Programme was interesting, fun, and useful!"

After year 13, I want to study medicine at university. The programme strengthened this decision and, by having work experience in hospitals, I realised how much I enjoyed helping to improve people's health.

I would tell other students: don't overthink and apply! It doesn't matter if you're still not firm on your future career or job choice."

Student Case Study - Dylan

Dylan, an aspiring software developer, applied to the In2scienceUK Summer Programme because he wanted to gain in-person experience. He also wanted to learn more about what a career in this field would entail. Dylan found his placement at Garrison Technology very interesting as he was able to learn more about software engineering and apply this to a range of tasks and activities. After completing the programme, Dylan is confident about his career plans and is excited about working towards a degree.

"I applied to the In2scienceUK Summer Programme because I'm interested in computer science and software engineering and I wanted to gain in-person experience of the workplace. I think having experience is more important than just reading around the topic; being able to be actively involved and hands-on is very helpful. I also thought that this experience would be great for my personal statement and future applications.

My experience on the placement was really good. We learnt how to use arduino, a programming language, to create a programme to control LEDs. We also had a look at Python and different software drivers.

"The In2scienceUK Summer Programme definitely exceeded my expectations."

"I really enjoyed being creative during the placement, the experience was enlightening and fun!"

The highlight of the placement for me was getting to code the microcontrollers, it was very exciting. I enjoyed having the opportunity to talk to people within different areas of engineering, such as electrical and software engineering. I developed some key skills, primarily communication and working in a team.

After year 13, I'm sure I want to do computer science and I'm set on software development. After completing the programme, I am confident that I definitely want to get a degree. It seems that it would be beneficial for the path that I'm taking. I would recommend In2scienceUK to other students - you don't lose anything and you're getting experience!"

In2science UK

In2scienceUK is a registered charity (1164821)
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