Making Engineering **hot!** An AFBE school outreach programme

nextgen An AFBE school outreach programme



MAKING ENGINEERING HOT! (MEH) & NEXTGEN

Inspiring the next generation of engineers

The Making Engineering Hot (MEH) and NextGen programmes are outreach initiatives from the Association for Black and Minority Ethnic Engineers (AFBE-UK). We work with young people aged 8–18 to inspire, educate and support them to explore engineering and wider STEM careers.

Through engaging workshops, talks, mentoring and hands-on activities, we bring real-world engineering to life, particularly for young people from under-represented communities across the UK.

OVER 10,000 YOUNG PEOPLE REACHED

17+ YEARS OF OUTREACH SINCE 2008

AGES 8–18 PRIMARY, SECONDARY & COLLEGE STUDENTS

ALL OUR SESSIONS ARE FREE

Get in touch | meh@afbe.org.uk | nextgen@afbescotland.org | www.afbe.org.uk

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ABOUT MEH

Established in 2008, the Making Engineering Hot programme introduces young people to engineering through interactive workshops, school visits, careers talks and inspiring industry role models. MEH makes engineering relevant and achievable, linking classroom learning to real careers and practical experiences.

To date, we have reached over 10,000 young people, some of whom now work as engineers within the industry.

> *"It was very interesting to note that most of the students who visited us were very interested in pursuing engineering as a career and eager to learn what Alstom had to offer."*
>
> **Pradip Patel**
> Product Safety Engineering Improvement Manager



ABOUT NEXTGEN

NextGen helps students and emerging engineering talent connect with employers and build their confidence for the transition into work. We support young people aged 8–17 years in engineering and STEM, helping them explore a wide range of careers, whether their interests are solely in engineering or other STEM-related fields.

NextGen is AFBE's school outreach programme in Scotland.

We work with schools, parents, industry partners and other stakeholders to prepare young people for their future career choices.

> *"My journey at Arup was one that was very interesting and exciting. Through my time there, I have gained more insight on the different types of engineers and what their work consists of. Overall, I had such a wonderful time and am highly grateful for the occasion."*
>
> **Year 10 Work Experience Student**
> South London School



OUR ACTIVITIES

A range of engaging activities to inspire, educate and support young people across their STEM journey.

STEM TALKS
Inspiring talks from engineers, professionals and industry leaders.

SCHOOL VISITS
Hands-on activities delivered in partnership with engineering companies.

LEGO LEAGUE
Team-based engineering challenges using LEGO kits, including IET First LEGO League.

CODING CLUB
Fun, beginner-friendly sessions including Scratch, Cyberbotics, Raspberry Pi and more.

MENTORING
One-to-one or group mentoring with experienced professionals.

WORK EXPERIENCE
Links to real-world opportunities through our network of partner companies.

INDUSTRY INSIGHT
Career conversations, professional networking and skills development.

BECOME AN MEH/NEXTGEN CHAMPION

Our role models come from a variety of backgrounds, ranging from students to experienced engineers and are of all ethnicities. You can take part through a short presentation, supporting a workshop or mentoring a group of young people. Participation counts towards professional development for chartered engineers. You will receive a two-hour training session and a DBS check.

FIND OUT MORE ABOUT MEH & NEXTGEN