



STEM at New Scientist Live

AMBASSADORS

Monday 20th October

Sustainability in the Built Environment: Solar, Batteries, and the Future of Energy

Matt Pierce, Grow Forward

💡 Matt explores how renewable technologies are transforming the way we power our cities, showing how young people can shape a sustainable future.

🕒 10:00-10:10 / 11:00-11:10

Biometrics in Action: the STEM Behind Your Travels

Julie-Ann Hori, Metropolitan Police Service - Forensic Services

💡 Julie-Ann reveals how cutting-edge biometric technology is revolutionising travel through the power of science, engineering, and innovation.

🕒 10:15-10:25 / 11:15-11:25

Space Lasers for Communication

Vivienne Dela Cruz, Postgraduate Researcher, University of Nottingham

💡 Vivienne discusses the exciting world of optical communications in space, shaping the future of global connectivity beyond Earth.

🕒 10:30-10:40 / 11:30-11:40

Submarine cables: Connecting the world, Connecting people

Nathan Richards / Hayley Adlam / Borys Yatsura / Sean Ruffell,
Alcatel Submarine Networks

💡 Join the team at Alcatel Submarine Networks to reveal how cutting-edge engineering beneath the oceans enables global connectivity.

🕒 10:45-10:55 / 11:45-11:55 / 13:00-13:10 / 14:00-14:10

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Light Experiment with Everyday Materials

Dr Charlotte Maughan Jones,
Lecturer in Biomedical Engineering at University of
East London

💡 Join Charlotte in this exciting demonstration of the wonders of light. Discover how rainbows are made and uncover the secrets of how light can be bent, bounced, and even used to make objects disappear before your very eyes. Come curious, leave amazed—and maybe even inspired to become a light scientist yourself!

🕒 12:30-12:40 / 13:30-13:40 / 14:30-14:40



From Idea to Impact: Navigating the World of Patents

Dr Arnesh Vijay, Nokia Technologies

💡 Dr. Arnesh Vijay demystifies the patent process, sharing how innovations move from concept to product, and help to shape the future of entrepreneurship.

🕒 12:45-12:55 / 13:45-13:55

STEM in the Life of a BBC Engineer

Anfor Ali, Senior Operations Engineer, BBC

💡 Anfor offers an insight into the world of broadcasting, and how science, technology, engineering, and maths helps to keep us informed and entertained.

🕒 13:15-13:25 / 14:15-14:25

Our STEM Ambassador programme supports a network of thousands of amazing volunteers to bring real-life examples of STEM careers to young people across the UK.

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