

17th November 2025

Careers at Sedgehill Academy

This term, our KS3 students had the exciting opportunity to hear from a Senior Layout Engineer at MediaTek UK's Radio Frequency branch, who delivered an inspiring careers insight talk focused on pathways into STEM.

MediaTek designs the highly advanced microcircuits that allow smartphones, tablets and laptops to send and receive wireless data, and students learned how this work connects directly to global technology industries, including fabrication centres in Taiwan.

The talk introduced students to a wide range of STEM careers linked to electronic engineering and microelectronics, highlighting the diverse roles available in the UK for those interested in innovation, problem-solving and emerging technologies. Students discovered how engineering careers rely on the core principles they study in school—such as resistance, capacitance, inductance, electrical power and resistive heating—and how these concepts are applied to create faster and more efficient wireless communication.

They also heard how knowledge of chemistry and programming supports real-world engineering decisions, giving a powerful insight into the interdisciplinary nature of modern STEM fields.

The session offered a valuable glimpse into the possibilities open to young people who pursue STEM subjects, and we hope it has inspired many of our students to explore these pathways further.

To support the work we are doing on careers at Sedgehill, you may wish to use the [Destination STEM](#) resources to help conversations about mathematical or engineering careers at home. There is a wealth of information aimed at students thinking about the next steps in their careers.

Yours sincerely,



Mr Stuchfield
Associate Assistant Principal