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**Renishaw inspires future engineers with 3D printing Christmas collaboration**

[Renishaw](https://www.renishaw.com/en/renishaw-enhancing-efficiency-in-manufacturing-and-healthcare--1030?utm_source=REC875&utm_medium=PR&utm_campaign=REC875_Christmas&utm_id=Future+Brunells&utm_term=manufacturing&utm_content=Earned) empowered students in Bristol, UK, to experience 3D printing first hand with a Christmas-themed initiative. Continuing its commitment to STEM education, Renishaw has partnered with the SS Great Britain Trust's Future Brunels Programme. As part of this collaboration, Renishaw has sponsored the Christmas tree at Brunel Square, located next to Brunel’s famous SS Great Britain steamship, where students have designed and 3D-printed unique baubles to adorn the tree. This festive event aims to motivate students to explore careers in engineering and science, encouraging them to become the next generation of innovators.

The Future Brunels programme encourages students from years 7 to 11 across various Bristol schools to engage in hands-on STEM activities. This year, students visited Renishaw’s STEM Centre at its headquarters site near Wotton-under-Edge, Gloucestershire and were challenged to design their own baubles using TinkerCAD 3D modelling software. Each student created two custom baubles—one for the Christmas tree at Brunel Square and one to take home as a keepsake. The designs were carefully checked for suitability by Renishaw’s team and then printed in plastic using cutting-edge 3D printing technology.

Lucy Spiteri-Beale, STEM tutor at Renishaw, explains the importance of this initiative: "By inviting students into our headquarters, we give them real-world experience in STEM and engineering. These types of activities not only spark their creativity but also introduce them to potential early career opportunities in engineering. Students who participated in previous Future Brunels programmes have decided to pursue engineering as a career path, which is incredibly rewarding."

In addition to the bauble project, Renishaw's team provided an engaging afternoon of learning, where students participated in an experiment on electromagnetic induction. This hands-on activity further expanded their understanding of engineering principles and showcased the possibilities within the STEM field.

The programme culminated in a festive celebration on Tuesday, November 26, at the Christmas tree lighting ceremony at Brunel Square, SS Great Britain. The event featured Victorian Christmas-themed activities, an artificial snow machine and carol singing, with Old Father Christmas and ‘Mr. Brunel’ also in attendance. Renishaw has also produced intricate metal 3D printed corporate baubles to complement the students' designs, adding a contemporary engineering twist to the Christmas decorations.

“The support of Renishaw means the world to us here at the SS Great Britain Trust. As a dedicated education charity, we rely on the generous support of our partners to help us deliver our STEM programmes in Bristol and beyond. Working with industry leaders such as Renishaw places cutting edge technology alongside the heritage learning on site at the SS Great Britain, widening the Future Brunels’ views of STEM beyond school,” said Susannah Silo, Development Manager at the SS Great Britain Trust.

This partnership exemplifies Renishaw's commitment to inspiring young people and breaking down barriers to careers in STEM fields. The collaboration with the SS Great Britain Trust aligns with Renishaw’s mission to support future innovators through community engagement.

For more information about the event, visit the [SS Great Britain website](https://www.ssgreatbritain.org/the-future-brunels-programme/) or Renishaw’s at [www.renishaw.com/](http://www.renishaw.com/)

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**Notes to editors**

**About Renishaw**

Renishaw is a world leading supplier of measuring systems and manufacturing systems. Its products give high accuracy and precision, gathering data to provide customers and end users with traceability and confidence in what they’re making. This technology also helps its customers to innovate their products and processes.

It is a global business with over 5,000 employees located in the 36 countries where it has wholly owned subsidiary operations. The majority of R&D work takes place in the UK, with the largest manufacturing sites located in the UK, Ireland and India.

For the year ended June 2024 Renishaw recorded sales of £691.3 million of which 95% was due to exports. The company’s largest markets are China, USA, Japan and Germany.

Renishaw is guided by its purpose: Transforming Tomorrow Together. This means working with its customers to make the products, create the materials, and develop the therapies that are going to be needed for the future.

Further information at [www.renishaw.com](http://www.renishaw.com/)