

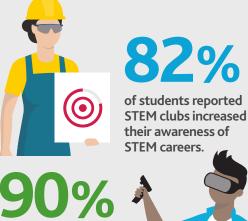
Enriching young people's lives

How can teachers and schools support students' enjoyment, confidence and understanding of real-life application of science, technology, engineering and mathematics (STEM)?

Through a STEM club that enriches students' and teachers' lives by:

- increasing enthusiasm and enjoyment of STEM subjects with engaging activities that develop transferable skill sets that support classroom learning
- demonstrating the critical role that STEM subjects play in the real world and opening young people's minds to the further study and career paths
- boosting young people's confidence by providing a sense of achievement as they work through problems and increasing their 'STEM is for me' attitude
- supporting teachers by enhancing their practice in a way that benefits all their students

STEM clubs are out-of-timetable activities that broaden the curriculum. Held during lunchtime or after school, STEM clubs allow young people to explore STEM in an informal setting. Regular sessions provide a space for students and teachers alike to explore and expand their knowledge freely.



of students reported that their involvement with the STEM club improved and deepened their conceptual knowledge, understanding and practical skills in STEM subjects.

> "STEM club has been a great learning experience for me. We get to do experiments we would not be able to do in a class of 30 students. I think the practical activities in STEM club are important as they open the teaching of science in a fun and practical way."

Year 7 student

89% of teachers reported increased student awareness of the use of science in the 'real world'.



"The clubs have been a setting where students can discuss ideas and problemsolve together. It has developed their creativity and understanding of how things work."

Secondary school teacher

90%

of teachers report having STEM clubs in their schools increased their appreciation of enrichment.

76%

of teachers felt more confident and motivated when teaching STEM subjects.



of teachers reported that young people increased their knowledge and understanding of STEM topics.

of teachers reported that STEM clubs helped students to develop transferable skills, such as project management, leadership, communication or budgeting.

"More than anything I cannot overemphasise the importance in STEM club for building relationships with our students. We make massive gains in the classroom especially with less confident members of the student body who build up trust with us as well as their confidence in their own abilities."

Secondary school teacher

"There is an opportunity for all students, regardless of their initial ability, to build knowledge and confidence, enhance independent learning skills, stretch their capabilities, boost personal achievements and raise aspirations."

Technician

Find out how **STEM Learning** can support your STEM Club