



COME & JOIN OUR STEM ACADEMY

The Liskeard STEM Academy is one of the school's four academies. It links our Maths, Science, Engineering and Technology departments and seeks to provide the following:

- Opportunities outside of the essential curriculum which expand students' knowledge and/or experiences;
- Opportunities to link to industry, higher education and the world beyond school;
- Opportunities to work across the curriculum and to develop real world skills and thinking.

Opportunities to develop our STEM Academy offer are constantly being sought and developed but the following lists key activities and links currently being provided:

MATHS:

- Link with Warwick University, involving a residential visit and a series of master classes run by undergraduates for our A level students.
- Opportunity to take Further Maths GCSE as an extra qualification in twilight lessons.
- Opportunities to peer mentor younger students in tutor time or lessons to encourage and support mathematical development and develop leadership qualities.
- Opportunities to attend master classes at Exeter and Plymouth Universities.
- Opportunities to enter national mathematical competitions.

ASTRONOMY:

- Astronomy club runs weekly and is open to any student of any age to join.
- Opportunities to visit the Callington space centre and use specialist astronomical telescopes.
- Opportunity to take an Astronomy GCSE, if desired.

SCIENCE:

- Involvement with Exeter School of Mathematics and Physics South West.
- Year 13 mentoring of able Year 11 students.
- Year 12/13 student support in Key Stage 3 lessons.
- Extra challenge homeworks for Key Stage 3 students.
- Science Leaders, working with Primary Schools.

ENGINEERING:

- Close links to local manufacturers and companies including: Tiflex, Teagles, Kawasaki and Restormel Engineering.
- Reciprocal visits with these and other companies and opportunities to use and understand industry standard equipment and processes.
- Progression routes through to work experience, apprenticeships and career opportunities.
- Opportunity to partake in the Green Power Go Kart Challenge – a national, extra-curricular engineering competition.