

Start the chain reaction



IMPACT REPORT

2023 - 24



Welcome

We are delighted to share with you some of the impact of SATRO's work over the last academic year. Highlights include the increasing number of schools participating in Construction Training, the continuing popularity of our Problem Solving Challenge, which had teams from 44 schools competing and our new Electricity workshop, which after a pilot in 12 schools across Surrey and Hampshire was rolled out and enjoyed by nearly 1,400 pupils.

We have delivered more than 6,700 hours of workshops, challenges and events and increased the number of corporate partners who support our STEM, Mentoring and Employability Workshops. We continue to provide key events such as SATRO STEMfest and ConstructionFest. In total, we delivered more than 26,500 sessions to more than 11,000 students over the last academic year.

SATRO would not be able to thrive and grow without your support, whether you are funders, volunteers, participating schools or SATRO staff and Trustees, I'd like to thank you all for your vital and continuing support.

Shash Patel

Chair of Trustees

Our Mission

To raise the aspirations of young people for their future careers, and by introducing them to inspiring people from a wide range of businesses, including STEM industries, enable them to develop employability skills, broaden their horizons and gain the confidence to pursue their goals, whilst helping them break down barriers to future work.



Achievements & Performance

2023 - 24



11,305
Students



6,731
Hours of delivery



4,676
Volunteer
hours



26,587
Unique student
interventions

STEM

Primary Schools

We continued to develop our STEM Primary workshops and delivered to 35 schools, working with 4,044 students.

Initiatives included a new Electricity workshop, which we piloted in 12 schools across Surrey and Hampshire thanks to a grant from the Ogden Trust. Content was developed to support the Key Stage 2 Curriculum in years 4 to 6 and using Snap Circuits Electronics, and Horizon Renewable Energy kits.

The pilot programme was heavily oversubscribed, but we were able to secure funding from another donor to offer a further 8 schools the opportunity to have an adapted workshop with more focus on energy saving and renewable energy in the summer term. Thanks to this, another 528 students were able to benefit from this workshop, which is now available for schools to book.

Girls Into STEM

Returning for its 9th year was our very popular Girls into STEM day, hosted by Fluor in Farnborough.

A day packed with challenges and hands-on activities with a range of companies for 80 girls from 7 schools culminated in a careers speed networking where the girls get to engage with inspiring female role models from across STEM industries. Feedback tells us how much the day changes perceptions and raises aspirations as well as building confidence about future career paths.

One teacher told us she can see the positive impact of the day in the students who attend for the next two years.

Our aim is to build on the success of the Farnborough event and hold similar Girls into STEM days in new locations.

100% of students felt that the event introduced them to STEM careers they didn't know about.

98% of students felt that the event gave them insight into engineering and a better understanding of the skills they use.





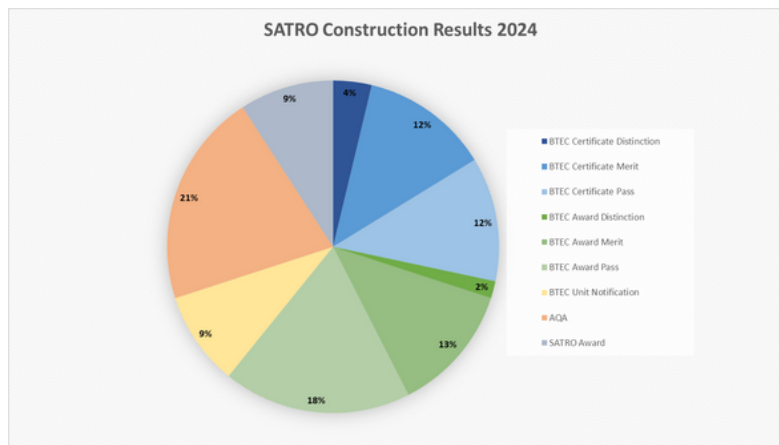
Vocational Construction

The Construction Industry Training Board (CITB) forecasts that the UK will need an extra 251,500 construction workers by 2028, 10,400 of whom will be needed in the South East.

Our vocational construction skills classrooms continue to provide valuable opportunities to develop skills and gain a qualification, especially for young people who are at risk of being disengaged from education. The 23/24 academic year saw us recruit 2 new tutors and increase our provision by 20%, and we worked with young people in 38 schools.

We also introduced awards from the AQA exam board alongside the BTEC qualification, enhancing the opportunities for students to obtain formal recognition of their achievements and have a tangible record to show prospective colleges or employers. This has proved particularly beneficial to our SEN students.

In all, 415 students participated in our construction classrooms, 239 of whom completed the course with a BTEC, AQA or SATRO Award. The rest will carry on into their second year of study.



“ All the pupils we have had on the course this year are either going on to college or into an apprenticeship next year.”

“ Their enjoyment of the course has improved these students overall attendance, as well as their confidence. Over 95% go on to study construction related courses at college. ”



Employability

We have continued to develop our employability activities in collaboration with employers, who bring valuable insights and perspectives to the participating students. Highlights include our Open Doors and Research Work Placements.

Open Doors

This year we piloted our first Open Doors events in partnership with Surrey Careers Hub. Kindly hosted in Guildford by Surrey Research Park and in Leatherhead by KBR these experiences of the workplace give students the opportunity to visit several different companies during the day. They hear from and interact with people in a range of different roles and gain a better understanding of the opportunities available to them, skills they will need and pathways to work. We are hugely grateful to ipTest, Nature Metrics, Igenomix, BAE Systems, KBR and RINA for making these days so rewarding for everyone who took part.

Employability Workshops

Our employability workshops in collaboration with employers, who bring valuable insights and perspectives to the participating students. One key partner in this is financial services company Legal & General, who support us to develop key employability skills through, amongst other activities, our Career Explorer workshop.

Research Work Placements

2024 marked another successful year for our Research Work Placement programme. We were delighted to receive the support of 20 different companies, who between them supervised 30 research projects which engaged 70 students. Those projects have involved the production of films, development of Apps, research papers, presentations and scientific posters.

We know that this programme helps the participating students to develop a number of key skills and makes a real difference to their subsequent applications for university or apprenticeships.



Mentoring

SATRO's mentoring programme trains volunteers to provide support, encouragement and advice to students at a pivotal time in their school life when they are making important decisions about their next steps.

This year we have had mentoring programmes running in five schools, involving 38 mentors who have volunteered over 1,700 hours of time to support their mentees. We rely on the goodwill of corporate supporters who fund and provide volunteers for this programme. This year they have included Synamedia, AB Carval, BMW, Waverley Borough Council, and funders HEON (the Higher Education Outreach Network) and the Community Foundation for Surrey. We are very grateful to all of them.

Feedback demonstrates the impact of the programme on the young people we work with. We have a waiting list of schools, so if you would like to play a role in our mentoring programme, please get in touch.

“SATRO fills a gap extremely successfully for those students who, for any reason, don't quite tick all the boxes of a perfect student. Where schools are stretched to the limits having to find alternative provisions for those outliers, those at the outer ranges of 'acceptable' are left and often forgotten. SATRO has come in and worked with these students, all of which have a different profile and different need, and have bettered their progress.”

Head of Year 10

SATRO
Mentoring Programme 2024
THE IMPACT

FACTS & FIGURES

- 38 mentors
- 5 Schools
- 1,700 hours of time to support mentees

WORKING WITH MY MENTOR HAS HELPED ME TO...

- 82% ...have a good understanding of the job or career that I might like to do?
- 86% ...have a good understanding of my next steps (college etc)?
- 80% understand why I am studying my particular GCSEs (why they may be helpful to me)
- 88%feel confident that I have enough information to make decisions about my future
- 90% ...understand what sort of skills employers are interested in
- 82%have a good understanding of the employability skills I already have
- 92% ... improve my confidence about the future

“It helped me to improve my motivation and see the better in things”
-Student

www.satro.org.uk Mentoring Programme 2024



Get In Touch



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