

## Celebrating successful partnerships between SSERC and STEM industry

### Glasgow and West of Scotland Partnership Showcase 2022

Over the last academic year, and in line with our aims in Vision 2030, SSERC has grown the scale and number of Enthuse Partnerships (EPs) and Education Industry Partnerships (EIPs) it operates across Scotland. This means that not only does our Wider STEM Engagement portfolio continue to expand, but so does the resulting professional learning for educators as well as the opportunities for learners.

There are a range of ways to deliver EIPs and EPs with a common theme being a “Challenge-based” programme. This is where partner



organisations and their team of STEM Ambassadors will work with SSERC and a group of recruited schools to set them a real-life STEM challenge to complete. Teams then work on their solution over several months, or even a full academic year, with the support of their Mentor STEM Ambassador(s). At or near the end of the partnership, the school teams come together to present their solutions at a showcase event.

In the summer of 2022, we were presented with a fantastic opportunity to merge two showcases into one, amplifying the success and positivity from two of our key partnership projects in Glasgow and the West of Scotland. Young people from the schools listed below, were there to exhibit their solutions to their chosen challenge and share their journey through this partnership with fellow learners and invited guests representing STEM education and industry. >>

*“I’m blown away, it’s amazing how they [the pupils] have interpreted the brief, it’s just amazing, that outside-the-box thinking that you can often forget when you go into industry.”*

Lloyd Walker – Jacobs



### Leidos STEM Challenge

Jordanhill School  
St Margaret’s High School  
Lochend Community High School  
King’s Park Secondary School  
St Andrew’s RC Secondary  
Cleveden Secondary School

# Wider STEM Engagement



## Jacobs

### Jacobs STE(A)M Challenge

Cumbernauld Academy  
Barrhead High School  
St Mungo's Academy  
Brannock High School  
Shawlands Academy

Speaking at the presentation, one challenge participant from St Andrew's RC Secondary in Glasgow described the opportunity to meet many key figures in Education and share her ideas with them: "I just want to talk to people, hear their opinions on the stuff we've been working on for the past few months."

Our partnership work allows organisations to innovate, creating fresh and impactful engagements in STEM, direct from the world of work, for teachers and learners.

To get involved in our partnership programme contact us: [partnerships@sserc.scot](mailto:partnerships@sserc.scot) <<

*"I'm so impressed by the content of what the young people have produced but also the way they are conducting themselves, to see that confidence to talk to people they've never met before, really professional."*

Fiona Keady – Leidos Innovations UK

## Some of the challenges that the partnership set their teams

- 1 **Locate, Design, & Repurpose** your own Spaceport, Windfarm, or Festival.
- 2 With a focus on technology, design the Leidos Glasgow office of **the future (2025+)**.
- 3 Design an app, website or social media platform to help **clean up the planet**.
- 4 Leidos has people working in the office, at home, and on customer sites, all across the world. How can we use technology to **keep everyone connected** and enjoying their work, from the first day they join through their whole career?
- 5 **Redesign the UK air traffic system** to make travel quicker, easier and more sustainable.
- 6 Plan a **New Year's party in space**.
- 7 STEM is for everyone and many people who work (or want to work) in STEM have accessibility requirements or specific needs to support them to do their job. Using technology, **provide additional support and solutions** for people in this setting to ensure nobody with this type of challenge(s) is restricted from a career in STEM.