



spectris
FOUNDATION

IMPACT REPORT

Dec 21 – Dec 22



Introduction from the Chair



The Spectris Foundation was created in July 2021 as a charitable foundation to support education in science, technology, engineering and maths (STEM), globally, whilst also helping other charitable causes nominated by Spectris plc employees.

Our goal in 2022 was to build momentum around STEM education, to show the importance of quality education and to provide grants to those who embody our mission. We believe that every person should have an equal right to a quality education and, by working with like-minded partners, we will remove barriers and create opportunities for every student to fulfil their potential.

It's been an impressive first year and we have awarded 9 STEM Grants to projects based in the UK, USA, Ghana and India. The Foundation has provided funding to organisations which champion equal opportunities and have the scope for volunteering. This report highlights the hours given by The Foundation and Spectris staff, alongside statistics on how our grants have made a significant impact.

In addition, the Foundation has awarded 30 small community grants to projects nominated by Spectris employees to support the charities and causes which are most meaningful to our employees.

We believe opportunity and diversity of thought is critical for a safe and healthy future, and our hope is that our grants will enable the next generation to have a sustainable future.

Derek Harding
Chair



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Derek Harding
Chair



Total impact

The Spectris Foundation has two funding streams: STEM Grants and Employee Nominated Grants. Below are impact figures on the total number of grants agreed from December 2021 to December 2022. 80% of funding goes directly to STEM related projects and the remaining 20% of funding goes to projects nominated by Spectris plc employees.

Total number of grants given

39

Total grants awarded

£551,800*

Splits

STEM

£438,300

Employee nominated

£113,500

* Grants that were agreed in 2022 and include multi-year projects up to 2024.

Locations of participants



The types of causes we have donated to

11

1. STEM education
2. Other education
3. Health and Wellbeing
4. Children and Young People
5. Alleviating Poverty
6. Disability
7. Homelessness
8. Isolation and loneliness
9. Sporting activities
10. Theatre and Arts
11. Emergency response

UN Sustainable development Goals (SDGs)



Our key focus is on contributing towards: SDG 4: Quality Education – Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

STEM at a glance

Total impact November 2021 – November 2022

Total number of STEM grants

9

Total number of beneficiaries

21,926

Total number of students reached

21,698

Total number of teachers reached

228

Average % of female beneficiaries

66.4%

Number of volunteering hours

340

Average % of beneficiaries receiving school meals or equivalent

74%

STEM grants

- | | |
|-----------------------------|-----------------------------------|
| 1. ENTHUSE Charitable Trust | 6. CompTiaSpark |
| 2. SAE Foundation | 7. Engineering Scheme Wales |
| 3. Africa Gifted | 8. The Royal Society of Chemistry |
| 4. India Stem Foundation | 9. EXPEDITION Stem |
| 5. Technovation | |

STEM overall donations

£438,300



STEM grant programme

The STEM grant programme delivers large grants, multi-year funding and supports pilot projects whose aim are to improve access to quality STEM education.

Case study

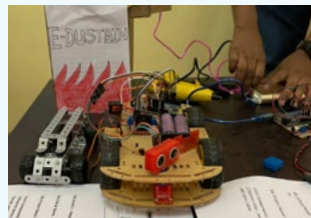
India STEM Foundation

The India Stem Foundation aim to inspire the next generation to become future leaders in STEM, by making science and technology fun and exciting.

With the help of The Spectris Foundation funding, they have transformed an unused room into a science lab for a school in Pune, India, and its surrounding schools.

From September to November the students have completed an electronics class where they learnt to build a LED circuit and to use a potentiometer.

They are also learning about 3D printing and being taught elements of mechanics. The students will complete an assessment in the middle of November, and move on to learn about digital music patterns in the new year.



Case study

ENTHUSE Charitable Trust

ENTHUSE Charitable Trust works to provide teachers with professional development to strengthen high quality STEM education.

The Spectris Foundation are funding a two-year project which is delivering five new stem partnerships across the UK, to provide positive and long-term impact to STEM education, in areas where it is most needed.

Andrew Heath, Foundation Trustee and Spectris CEO, met with the ENTHUSE Partnership teachers to encourage industry involvement. Along with HBK engineers, they conducted a brainstorming session to aid the teachers to create impactful lessons which could excite pupils in STEM opportunities.

This partnership is already reaching over 20,000 students across the UK!

“It was clear from listening to the teachers that receiving support from industry is extremely appreciated, especially with helping them bring STEM to life”.

Andrew Heath
Chief Executive



Case study

African Gifted Foundation

African Gifted Foundation believe that women and girls should be at the forefront of Africa's STEM future. They develop students' potential through their primary project, the African Science Academy. Their world-class STEM education fosters talent and enables young women with a passion for STEM the opportunity to fulfil their potential. By providing support, increasing confidence and supporting women from all backgrounds, African Gifted Foundation are creating inspiring, future leaders.

The Spectris Foundation provided a grant towards the African Gifted Foundation education program, to allow them to continue giving full scholarships to young women across Africa. In 2022, they hosted young women from Ghana, Zimbabwe, Togo, Zambia, Cameroon, Tanzania, Rwanda, Burundi, Somalia Republic, Kenya, South Africa and Nigeria. In 2022 the students received their best-ever A Level results with 60% of A-Level Grades awarded A*, 76% A* – A and 93% A* – B.

“I've had a redefining experience at the African Science Academy, from a young girl confined in her comfort zone to a STEM woman who knows her ability to drive change in the world.”

Ines Noella Twishime
Student



Small grants

The small grants programme focuses on giving back to the charities and community initiatives which are meaningful to Spectris, globally. Grants are awarded up to £5,000 and nominated by Spectris plc employees.

Total number of small grants donated

30

The different causes it has supported

10

Total amount donated

£113,500

Location of small grant recipients

- China
- North America
- UK
- Brazil
- Mexico
- Germany

Case study

■ Saint Francis Hospice – Organic Garden Project

Saint Francis Hospice supports approximately 2,000 people at any one time with respite care, homecare, sibling support, end of life care and emotional and bereavement support. The hospice was nominated by Alison, who shared a truly personal story;

“Having recently lost my father to dementia, Saint Francis Hospice spent the last few weeks before my father's passing caring for him on a daily basis. The care that they provide to all their patients is above and beyond what anyone would hope for. The respect and dignified care that each person receives allows them to pass in peace and provide comfort to the family of losing a loved one. I will be forever grateful to Saint Francis Hospice for the care that they provided to my father.”

The Spectris Foundation are donating £5,000 to help Saint Francis Hospice create an organic garden to promote the benefits nature has on mental health.

The organic garden will provide patients with therapy sessions, social and therapeutic horticulture, and will be available to all hospice users. This hands-on gardening approach will inspire wellbeing and

create an opportunity for socialising between patients, volunteers and staff.

The organic garden aims to bring back fond memories, increased confidence and self-esteem, regain one's identity, and reduces stress levels while providing activities, and creating, opportunities to live life as fully as possible.

■
“I really can't put into words what it means to give back so much to a hospice that helped me and my family.”

Alison
Servomex employee



Case study

■ Boulder Emergency Squad – Emergency Response in Colorado, USA

The Boulder Emergency Squad (BES) is a 100% volunteer technical search and rescue team serving Boulder County. BES works closely with the Sheriff's department, Emergency Medical Services, and fire-rescue agencies providing mutual aid support for a variety of technical rescue incidents and emergency situations including wildland firefighting, swift water rescue, dive rescue, surface ice rescue, unmanned aerial systems, extrication, technical rope rescue, and urban/wilderness search & rescue.

As a result of climate change, wildland fires in Colorado are on the rise, with five of the six largest wildfires in history occurring in the past three years. The most recent Marshall Wildland Fire occurred on December 30, 2021. Over the course of just a few hours 50,000 residents were evacuated from neighboring towns, and by morning 1,000 homes were destroyed across 6,000 acres.

Scott MacLaughlin, Director of Engineering for Particle Measuring Systems, is a certified wildland firefighter and volunteer for BES. He was on the frontline responding to the Marshall Wildland Fire and worked alongside other firefighters. He explained:

“My home and all belongings were destroyed in the fire, but I am proud of the heroic work that BES did to save others' lives and property. When I first joined BES, I had to purchase my own wildland firefighting gear, as BES did not have the funds to equip every certified wildland firefighter. Not all volunteer wildland firefighters have the means to equip themselves with this expensive and specialized firefighting gear. As a result, there are certified wildland firefighters who are willing, yet not able to respond to wildland fire calls.”





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