



EESW STEM Cymru



Overview

Established in 1989, we are a non-profit, educational charity dedicated to inspiring young people across Wales to consider careers in science, technology, engineering and mathematics (STEM).

We work with industry, schools and universities across Wales to inspire the next generation of innovators, technicians and engineers, and develop the future workforce through real-world, project-based learning.



Why partner with us

Partnering with EESW STEM Cymru offers organisations a unique opportunity to:

- Engage directly with future talent across Wales
- Raise your profile with schools, educators and students
- Support STEM education and social impact goals
- Influence skills development in your sector and gain fresh perspectives from young learners
- Build meaningful connections with local communities
- Inspire and engage your employees through meaningful CPD and volunteering opportunities



Partnership Opportunities

We offer a diverse range of flexible partnership opportunities, enabling organisations to support STEM education across Wales in a way that aligns with their priorities.

1. COMPETITIONS & EVENTS

High-profile programmes including STEM Racing, FIRST LEGO League and the EESW Sixth Form Project, offering visibility, engagement and access to future talent.

2. STEM OUTREACH & ENGAGEMENT

School-based workshops and employer-led initiatives such as Introduction to Engineering and Girls into STEM, supporting early engagement, real-world insight and widening participation.

3. STRATEGIC PARTNERSHIPS

Broader support across multiple programmes, enabling us to deliver impact where it is most needed and align activity with your organisational priorities.

Competitions & Events

Our competitions and flagship programmes provide high-visibility opportunities for partners to engage with students, educators and industry, while supporting innovation, teamwork and real-world problem solving.

STEM RACING

A model car racing competition that combines aerodynamics, marketing, project planning and CAD.



FIRST LEGO LEAGUE

A LEGO based robotics competition that combines robot design and coding with an engineering design project linked to a changing annual theme.



EESW SIXTH FORM PROJECT

A six-month programme that tasks Year 12 pupils with solving a real-world problem identified by their industry partner.

STEM Racing

An international competition (formerly F1 in Schools) where students design, build and race miniature F1-style cars, developing engineering, design and project management skills.

EESW STEM Cymru are the Wales Regional event hosts and are also a STEM Racing™ Manufacturing Centre.

Schools can enter up to 5 teams of 3-6 pupils to take part in designing and manufacturing the fastest car possible, emulating the processes employed by real engineering companies before preparing their cars ready to race. Teams are assessed on the speed of the car, design and engineering, verbal presentation and even their pit display.



STEM Racing

Schools are currently responsible for covering costs for each team they put forward so your contribution could break down these financial barriers many schools face when considering entering. You can choose from:

- Team sponsorship
- Event sponsorship
- Programme sponsorship

Sponsorship not only hugely supports the teams, but provides:

- Visibility at regional and potentially global events
- Opportunities for employee engagement and CPD (mentoring/judging)
- Association with an exciting, high-profile STEM competition
- Engagement with students and schools during the event



First Lego League

FIRST Lego League is a global science and technology competition for teams of students, to encourage an interest in real world issues and develop key skills that are crucial for their future careers.

EESW STEM Cymru supports schools across Wales to take part in FIRST LEGO League, providing guidance, resources and event delivery at regional level.

Teams of up to 10 pupils work together to design, build and programme a robot to complete a series of tasks on a themed competition table. Teams also undertake a research project and present their findings to a panel of judges.

Teams are assessed on robot performance, innovation, teamwork and their ability to communicate their ideas effectively. Successful teams progress to national and international finals.



First Lego League

Schools are responsible for covering the costs of participation, so sponsorship can play a key role in enabling more schools to take part and reducing financial barriers.

You can choose from:

- Team sponsorship
- Event sponsorship
- Programme sponsorship

Sponsorship not only hugely supports the teams, but provides:

- Visibility at regional and potentially global events
- Opportunities for employee engagement and CPD (mentoring/judging)
- Association with an exciting, high-profile STEM competition
- Engagement with students and schools during the event



EESW Project

A flagship 6-month programme where Year 12 students work in teams to solve real engineering challenges set by industry partners, developing technical knowledge alongside key employability skills. During the project, students will research and design a solution and produce a final proposal, model or working prototype.

Students are supported by engineers, teachers and EESW STEM Cymru staff throughout the programme, culminating in regional celebration and awards events.

Teams of up to eight Year 12 students are partnered with an organisation and tasked with solving a real-world engineering problem over a six-month period. Teams develop their ideas through independent work, supported by their company engineer or representative, with structured guidance and workshops delivered by EESW STEM Cymru.



EESW Project

EESW STEM Cymru manages and supports the programme throughout, including coordinating school partnerships, delivering key activities and organising the regional awards events, where teams present their solutions and compete for a range of awards.

The programme culminates in regional awards events, where teams showcase their solutions and compete for a range of awards.

You could choose to partner directly with a school team, providing a real problem for students to solve and supporting them throughout the duration of the project.

Alternatively, you could choose to be the Headline Sponsor, or sponsor a specific award, e.g. Best Appreciation of Environmental Issues.



EESW Project

Your support will enable the delivery of a high-quality regional awards event, including venue hire, event production and student participation, ensuring an engaging and memorable experience for all attendees.

What you will receive:

- Significant brand visibility across event materials, signage and communications
- Engagement with high-achieving students, educators, universities and industry partners
- Strong association with a flagship national STEM programme
- Opportunities for employee development through mentoring, contributing to CPD and project management skills
- Potential for innovative ideas and financial savings generated by students working on real-world challenges

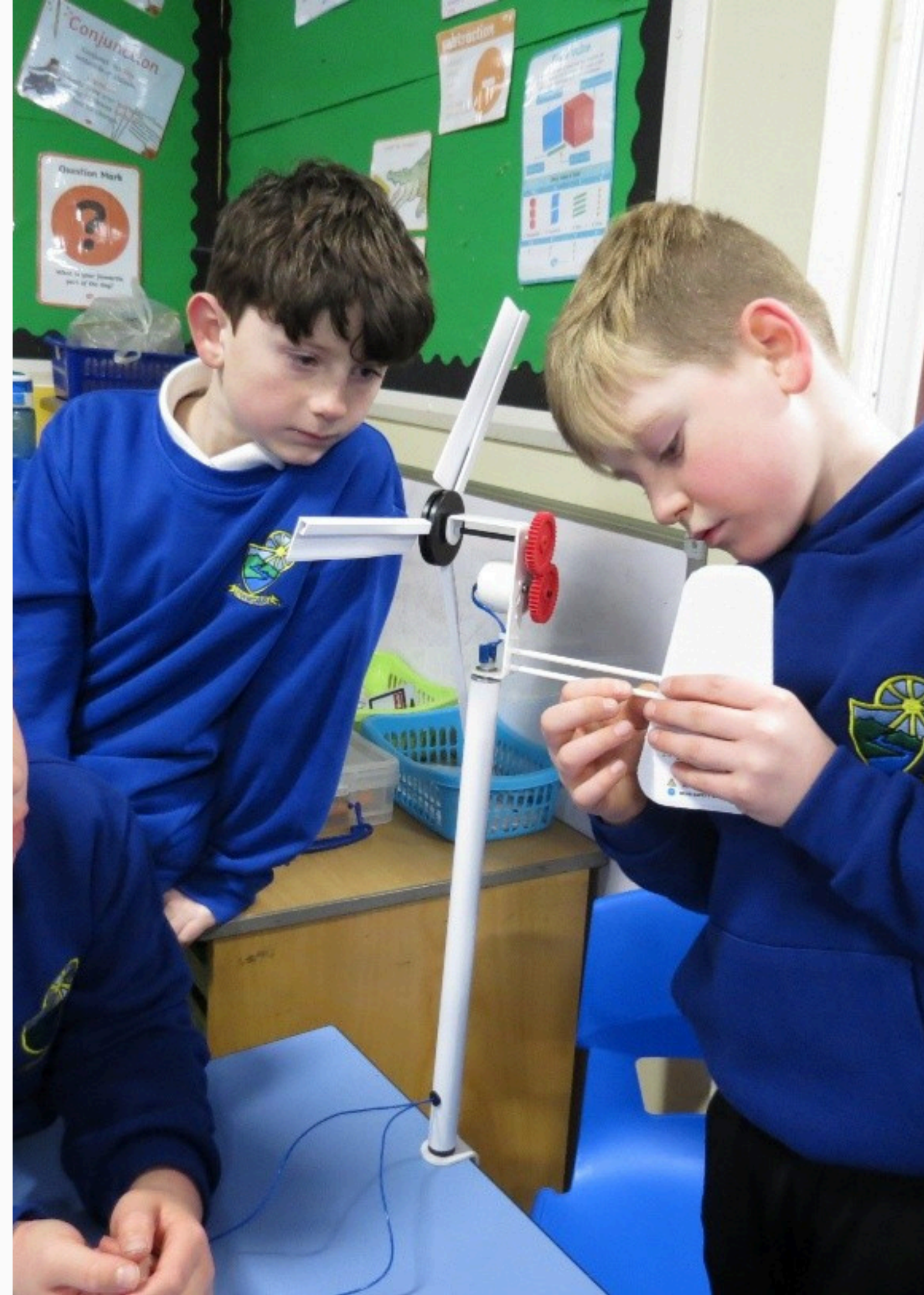


I2E Workshops

Workshops are delivered in schools and typically involve practical, team-based challenges that introduce students to engineering principles. Sessions can be tailored to different age groups, school needs and curriculum areas.

Partners may choose to align workshops with their industry or area of expertise. A range of workshop themes are available, including renewable energy, electronics, compound semiconductors and sustainable engineering, with opportunities to align content to your industry.

There is also the opportunity to develop bespoke workshop content in collaboration with EESW STEM Cymru, tailored to a partner's specific focus or objectives.



I2E Workshops

You could choose to support the delivery of workshops in a particular region or group of schools, helping to introduce more young people to engineering at an early stage.

What you will receive:

- Brand visibility across workshop delivery
- Opportunities to align content with your industry or expertise
- Engagement with schools and local communities
- Opportunities for employee volunteering, involvement and CPD
- Association with early STEM engagement and long-term educational impact
- Positive social impact and community engagement



Girls into STEM

Through a combination of employer engagement and hands-on experiences, Girls into STEM helps students build confidence, challenge perceptions and gain a clearer understanding of the opportunities available within STEM.

Groups of students (typically 8–30 pupils) take part in organised visits to companies or university departments, where they gain first-hand insight into STEM environments.

Company partners typically welcome students to their site and deliver an engaging activity, with support from EESW STEM Cymru where required. Visits also provide opportunities for students to meet employees and role models, helping to bring STEM careers to life in a real-world context.



Girls into STEM

Where it is not possible to host a visit at your site, we can arrange delivery at a suitable external venue, subject to additional budget. Many partners also choose to support participation by contributing towards costs such as transport, lunch or teacher cover, helping to ensure that schools can take part regardless of financial barriers.

EESW STEM Cymru will coordinate the programme, match you with suitable schools and provide support to ensure a successful and impactful experience for both students and partners. Students are encouraged to reflect on how their school subjects relate to real-world careers, helping inform their future GCSE and career choices.





Thank you

