



Ghana Science & Tech Explorer Prize (GSTEP) Challenge

Sponsorship Proposal

Introduction

The Ghana Science and Tech Explorer Challenge Prize (GSTEP) excites, encourages and supports Junior High School (JHS) students (11-16 years) and teachers in Ghana to develop practical Science, Technology, Engineering and Maths (STEM) skills and products that benefit local communities.

During this 3 year programme, we have worked with over 30,488 Junior High School (JHS) students, 2474 teachers, 1129 schools, numerous districts, communities, and community leaders in the Ashanti, Eastern, and Greater Accra regions to encourage practical learning and the development of STEM and ICT skills through a series of challenge prizes.

As part of these prizes, we challenge students to come up with innovative ideas to solve problems in their communities and, ultimately, support them to cultivate these ideas into enterprising products and solutions. They are also provided with mentors and coaches who support them in developing technical skills and knowledge in STEM as well as assist them to develop key soft skills such as critical thinking, problem-solving and team building. They also build critical skills in entrepreneurship and enterprising as well as presentation, marketing and communication.

GSTEP is delivered by a consortium led by DreamOval Foundation in partnership with Partnership Bureau, Practical Education Network(PEN) and Sulem Lake, (see more details about these organisations in Annex 1). GSTEP is supported through a partnership with the Ministry of Education (MoE) and Ghana Education Service (GES) to drive Ghana's STEM education agenda.

We believe in the power of partnership and collaboration, and we are excited to offer sponsors the opportunity to engage with the impactful benefits of GSTEP. This brochure presents a unique chance to sponsor GSTEP and contribute to transformative change in the lives of young Ghanaians through STEM education. By becoming a sponsor, you will support the development of future-ready individuals equipped with the skills needed for tomorrow's workforce, while also strengthening your organization's commitment to innovation, education, and community development.

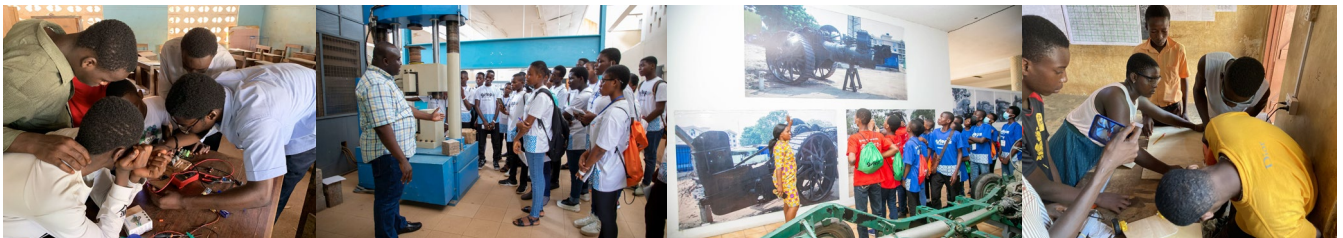


2022 GSTEP Challenge

Induction Events



Finalist Support (Mentoring, Coaching Sessions & Industry Visits)



Judging Events



Exhibition & Awards



Presidential Visit



Presentation Of STEM Materials



Achievements & Impact

After a successful implementation of the programme in 3 years, below are a summary of some achievements in driving practical STEM Education in Ghana:

Ministry of Education and Ghana Education Service (GES) buy-in



30,488 students engaged with the principles of practical STEM education in 2 and half years



2,474 teachers engaged with the principles of practical STEM education in 2 and half years.



1,129 schools engaged in 3 years in 3 target regions i.e Greater Accra, Ashanti and Eastern regions



254 mentors and coaches engaged to support students, teachers and youth steering members in 3 years



60 Youth Ambassadors engaged in 3 years events held in 3 years



22,000 data collection opportunities



35 awards presented including STEM equipment and an ultra-modern STEM laboratory valued at GHS 200,000



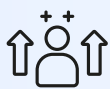
76 events held in 3 years



150 Prototypes developed



90% of finalists declared an improvement in the study of STEM subjects



90% of teachers feel their team members & enterprise-related soft skills improved.



83% of teachers feel their ability to teach enterprise skills has improved



Lesson plans and resources provided to support the practical study of STEM subjects

“
The students are thinking effectively about problems in their community and ways of solving them with basic electronic tools around them.
Sena Wilson (Technical Coach)
”

“
Through the use of lesson plans we have now changed our teaching methods, making them more practical and engaging.
~ Patience (Teacher)
”

“
Courage Obro from the Team Nunya had no intention of furthering his education. After participating in the Challenge he has successfully begun his first term in Senior High School studying Science.
”

GSTEP 2024 Exhibition & Awards Ceremony

The GSTEP Exhibition Event & Awards Ceremony are exciting and rewarding events where finalists teams have the opportunity to showcase their prototypes to the general public and winners of the Challenge are recognised and awarded. This 2024 edition was held at the Accra International Conference Centre over two days with over 6,000 attendees and hosted several industry players, dignitaries and traditional leaders, stakeholders in education, schools, finalists, mentors, coaches and the general public. Details of each event is presented below:

GSTEP Finalist Exhibition Event: The exhibition and awards took place at the Accra International Conference Center from 8am to 5pm on 24th and 25th January 2024. One hundred finalist teams from the Greater Accra, Eastern and Ashanti regions displayed their projects to the general public. In attendance were invited schools from Greater Accra, Members of Parliament, community and opinion leaders from the Greater Accra, Eastern and Ashanti regions, officials of the Ministry of Education and Ghana Education Service, STEM clubs, parents, and the general public.

Industry Roundtable: The industry roundtable brought together key stakeholders in education, corporate players and leaders, public sector leaders in STEM and Education sectors as well as STEM enthusiasts at the Accra International Conference Centre. Plenary discussions were held to discuss the future of STEM education and how each representative can contribute to the sustainability of STEM education in Ghana.

GSTEP Awards Ceremony: This prestigious event was held on the 25th of January, 2024, with the Chief of Staff, Hon. Dr. Frema Opare in attendance, who represented and presented a speech on behalf of the President of Ghana. Also in attendance was the Minister for Education, Hon. Dr. Yaw Aduwum and a host of high-profile dignitaries. During the event.



Benefits Of Sponsoring The Programme

GSTEP presents a fantastic partnership and sponsorship opportunity to engage a new generation of STEM savvy innovators and critical thinkers while encouraging local communities across Ghana to be invested in driving STEM education.

Benefits	Description
Corporate social responsibility (CSR)	<p>This programme can act as an important part of your CSR portfolio.</p> <p>Relevant CSR themes covered within the programme include:</p> <ul style="list-style-type: none">• Education• Community participation• Youth engagement• STEM development• STEM skills• Girl Child Education• Rural community support
Brand awareness and profile raising	<p>The success of the programme relies on extensive publicity and strong branding, to help engage as many students as effectively as possible. This presents a number of co-branding opportunities, including:</p> <ul style="list-style-type: none">• Brand Promotion• Brand activation• Youth engagement
Networking and collaborative opportunities:	<p>The programme engages a wide range of high-profile partners, from the Ghanaian government, NGOs and corporations.</p> <p>This provides a valuable opportunity to meet and work with like-minded organisations, build new relationships for future projects and develop new opportunities.</p>

Platinum Sponsorship Package

GHS 100,000 - GHS 130,000

What you will be funding		What we are offering	
Package	Description	Package	Description
Logistical Support	<ul style="list-style-type: none"> • Venue • Exhibition Booth • Media Display and Communications Equipment (LED screens, sound equipment, pyro flash, etc) • Jersey • String bags 	Promotion	<ul style="list-style-type: none"> • Logo on T-shirts • Branding on souvenirs • Branding in Awards Ceremony brochure • 1 page ad placement in Awards Ceremony brochure • Significant promotion on social media and GSTEP website with a combined value of 20k views • Company logo displayed on stage design • Project company logo on screen • 30 seconds ad will be played during breaks at the Awards Ceremony
Award Category Support	<ul style="list-style-type: none"> • Recognition awards • Top category awards for teachers • Top category awards for students 	Event branding	<ul style="list-style-type: none"> • Display pull ups at the exhibition venue • Exhibition booth will be provided • Brand pathway leading to the venue • Branding at the entrance of the venue • Set up marketing collateral during Awards Ceremony
		Industry Round Table	<ul style="list-style-type: none"> • Set up of marketing collateral at high profile Industry Round Table • Speaking opportunity at Industry Round Table
		Media	<ul style="list-style-type: none"> • Live media interview during the Exhibition, Industry Round Table & Awards Ceremony • Studio Interview prior to and post Awards Ceremony
		Prizes	<ul style="list-style-type: none"> • Award presentation for (top/mid category award) • Assign an award to your company

Gold Sponsorship Package

GHS 80,000 - GHS 100,000

What you will be funding		What we are offering	
Package	Description	Package	Description
Logistical Support	<ul style="list-style-type: none"> • Venue • Exhibition Booth • Media Display and Communications Equipment (LED screens, sound equipment, pyro flash, etc) 	Promotion	<ul style="list-style-type: none"> • Logo on T-shirts • Branding on souvenirs • Branding in Awards Ceremony brochure • 1 page ad placement in Awards Ceremony brochure • Significant promotion on social media and GSTEP website with a combined value of 20k views • Company logo displayed on stage design • Project company logo on screen
Award Category Support	<ul style="list-style-type: none"> • Recognition awards • Mid category awards for teachers • Mid category awards for students 	Event branding	<ul style="list-style-type: none"> • Display pull ups at the exhibition venue • Exhibition booth will be provided • Brand entrance leading to the venue • Set up marketing collateral during Awards Ceremony
		Industry Round Table	<ul style="list-style-type: none"> • Set up of marketing collateral at high profile Industry Round Table
		Media	<ul style="list-style-type: none"> • Live media interview during the exhibition, Industry Round Table & Awards Ceremony
		Prizes	<ul style="list-style-type: none"> • Award presentation for (top/mid category award) • Assign an award to your company

Silver Sponsorship Package

GHS 50,000 - GHS 70,000

What you will be funding		What we are offering	
Package	Description	Package	Description
Logistical Support	<ul style="list-style-type: none"> • Venue • Exhibition Booth • Teams Accommodation 	Promotion	<ul style="list-style-type: none"> • Logo on T-shirts • Branding on souvenirs • Branding in Awards Ceremony brochure • 1 page ad placement in Awards Ceremony brochure • Significant promotion on social media and GSTEP website with a combined value of 20k views
Catering Support	<ul style="list-style-type: none"> • Water • Beverages • Snacks • Feeding 	Event branding	<ul style="list-style-type: none"> • Branding of exhibition stands • Display pull ups at the exhibition venue • Set up an exhibition stand • Brand pathway to the venue
Award Category Support	<ul style="list-style-type: none"> • Consolation and appreciation prizes (company branded souvenirs) 	Industry Round Table	<ul style="list-style-type: none"> • Set up of marketing collateral at high profile Industry Round Table

Bronze Sponsorship Package

GHS 20,000 - GHS 40,000

What you will be funding		What we are offering	
Package	Description	Package	Description
Logistical Support	<ul style="list-style-type: none"> • Fuel coupons • Jerseys • String bags • Accomodation for finalist teams • Transportation for finalist teams 	Promotion	<ul style="list-style-type: none"> • Logo on T-shirts • Branding on souvenirs • Branding in Awards Ceremony brochure • 1 page ad placement in Awards Ceremony brochure • Significant promotion on social media and GSTEP website with a combined value of 20k views
Catering Support	<ul style="list-style-type: none"> • Water • Beverages • Snacks • Feeding 	Event branding	<ul style="list-style-type: none"> • Branding of exhibition stands • Display pull ups at the exhibition venue • Set up an exhibition stand

Milestones

After a successful implementation of the programme in two years, below is a summary of some achievements in driving practical STEM Education in Ghana:

- Direct involvement of the Ministry of Education with the support and active participation from the Minister, Hon. Dr Yaw Osei Adutwum as witnessed during the GSTEP 2022 Awards ceremony.
- Facilitation of engagements with schools and education sector by the Ghana Education Service (GES) to actively encourage participation from schools.
- Increased engagement through active participation in activities such as outreach, induction events, judging events, industry visits, exhibition and awards events.
- Engagements with 111 Regional STEM and District STEM coordinators from GES who are key implementation stakeholders.
- President of Ghana, H.E. Nana Addo Dankwa Akuffo Addo hosted the winners of the 2022 GSTEP Challenge and they demonstrated the Illuminated Child Road Safety Device (I.C.RSD) to his delight.
- Genius Six of Uaddara (GSTEP 2022 winners) presented their winning prototype to the Ghana National Road Safety Authority, who have agreed to distribute the device across schools in Ghana. In attendance was a delegation from Liberia's Transportation Ministry.
- Both mentors and coaches worked closely with the Youth Ambassadors and Finalist Teams, volunteering approximately 2,000 hours of their time.





Get in Touch

For further information or enquiries about a tailored package to suit your budget, please get in touch with the GSTEP programme team.

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Appendix

Annex 1: GSTEP Delivery Partners



DreamOval Foundation

DreamOval Foundation will provide technical coaching to young people, conduct school and teacher outreach and engagement, conduct training on technologies and support the prize with links to government ministries and programs and manage the relationship between the public sector and the implementation of the programme. The team will also lead the Youth Steering Group (YSG) coordination, including delivering training.



Partnership Bureau

Partnership Bureau is a nonprofit based in Ghana that seeks to reimagine how communities, grassroots, local and national organisations across the Global South can draw on collective power and address the imbalances within the international development sector through innovation, intervention and impact.

SHULEM LAKE

Shulem Lake

Shulem Lake Limited, an IT and software development organization, will support this year's challenge by providing STEM kits, resources and STEM training.



Practical Education Network

PEN, a non-profit organization specializing in practical STEM education will provide coaching and mentoring support to the participants of this year's challenge.

Appendix

Annex 2: Definition of a challenge prize

Challenge prizes (also called ‘inducement prizes’) offer a reward to whoever can first or most effectively meet a defined challenge. A challenge prize is an innovative tool that is not typically employed in the development or education fields. Prizes act as a powerful incentive for meeting a specific challenge, and we believe they can help stimulate new ideas for some of the most difficult challenges we face.

This challenge prize methodology is new to the Ghanaian education system, which relies on traditional teacher-centered methods such as rote learning and memorisation, whereby students act as passive recipients of knowledge.

In contrast, the challenge prize format enables students to become active participants in their own learning. Rather than following a pre-set curriculum, students have the opportunity to create and direct their own projects, learning important life skills such as leadership, teamwork and project management. Furthermore, the focus on mentorship and exposure to industry leaders provides the students with real-world role models outside the classroom.

Beyond the benefits to students, the products and services that the students are creating are by themselves innovations. In Ghana, young people are rarely employed in the design of technology, and interventions into key community issues are typically implemented from the top down. The product developed by the winners of the 2022 GSTEP Challenge, the Genius Six of Uaddara, caught the attention of the National Road Safety Authority. The Authority wants to incorporate and deploy the product across schools in Ghana to minimise accidents caused by school children crossing roads to school. By running a prize with a solution-agnostic approach, we are bringing to light unexplored issues that are of importance to young people and opening up innovative processes of solving these issues.

Other examples of community based products developed by GSTEP finalists include a seedling germination system developed for farming communities in Weija, Accra, and an LPG detector to minimise fires caused by gas leakages among others, demonstrating that young Ghanaians can indeed create working solutions to critical issues.