

STEM ALLIANCE NEWSLETTER AUTUMN 2023

GET READY FOR THE 2023 BACK TO SCHOOL CAMPAIGN



Every year, the [STEM Alliance](#) in collaboration with [Scientix](#) organises the “Back to School Campaign” to motivate young people for STEM subjects and careers, showcasing the endless possibilities within the STEM field. The 2023 Back to School Campaign focuses on the topic of “**Empowering STEM future**” and aims to inspire teachers to spark interest in STEM in their classrooms, and encourage students to find their career path in this field.

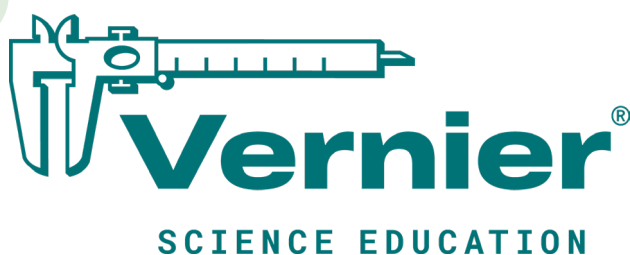
During the campaign, we will gather industry partners to provide networking opportunities, disseminate information about STEM career skills, and give visibility to current and future working opportunities, addressing current topics such as sustainability, diversity, and inclusion.

To facilitate meaningful connections between industries and schools, we will organize a competition, a series of webinars, and online events featuring experts from the educational and industry sectors. Read more about it [here](#).

Among the activities organised, there is the [Terra Mission MOOC Rerun: Teaching Sustainability for Action](#), which will give primary and secondary teachers the opportunity to raise environmental awareness in their schools and beyond. The course, starting on 11 September 2023, aims to provide participants with knowledge of contemporary sustainability issues and tools to help students take action on climate change. During an online teacher event organised within the MOOC, the sustainability-driven competition organised by STEM Alliance and [Lenovo](#) will be presented to participants as a great opportunity to keep applying the gained knowledge and win amazing prizes. Register for the online course [here](#).



NEW PARTNER JOINING THE STEM ALLIANCE: WELCOME VERNIER!



We are excited to announce that [Vernier Education](#) has joined the STEM Alliance! Vernier is looking forward to working with STEM Alliance and its partners to bring together Industries, education stakeholders and Ministries of Education to promote STEM education and careers to young Europeans and to address anticipated future skills gaps.

For more than 40 years, Vernier has empowered educators with world-class data-collection technology and innovative experiments. The implementation of high-quality sensors, experiments, and resources in the classroom or laboratory, enables students to explore science in new ways. Our mission is to provide educators with the tools to encourage scientific curiosity in all students.

JOIN LENOVO'S WEBINAR AND COMPETITION: TURNING WASTE INTO EDUCATIONAL WONDER

On September 14 at 17:00 CEST, the [STEM Alliance](#), [Scientix](#) and [Lenovo](#) will organize the webinar "[Lenovo Competition – Turning Waste into Educational Wonder](#)".



Lenovo is committed to a smarter, more sustainable future. Their holistic approach, called the *smarter circular approach*, ensures products are eco-friendly throughout their lifecycle. By using biodegradable and recyclable materials, Lenovo leads the way in minimizing waste and prioritizing sustainability.

In this webinar, Lenovo's experts will introduce the company's sustainability-driven project promoting STEM engagement through creative reuse of packaging materials, and the Competition "Turning Waste into Education Wonder", organised with STEM Alliance and Scientix.

The Competition calls for educators in primary and secondary schools in Europe, the Middle East, and Africa to explore Lenovo's Activity Booklet, draw inspiration from the proposed activities, and develop a new and creative project fostering students' creative and innovative thinking.

[Book your spot for the webinar!](#)

HIGH-LEVEL PARTNER UPDATE

Enhancing Education Through Connectivity: The Smart Connected Classrooms Pilot Project

To bridge the digital divide and modernise education systems to match the needs of the digital era, Qualcomm Incorporated launched the pilot project [Smart Connected Classrooms](#). Funded by a grant from Qualcomm through its Qualcomm® Wireless Reach™ Initiative and supported by [Scientix](#), this innovative pilot is set to revolutionise the way teachers and students engage in the learning process.

Starting last academic year (2022 – 2023), within the first phase of the project, five classrooms in two pilot schools, one in Spain and one in Portugal, have been equipped with always-connected personal computers and the Qualcomm® Education-as-a-Service (EaaS) set, which encompasses various hardware and software solutions, including a Smart Panel from OneScreen, an eGlass, a wireless teaching station, among others.

A total of 128 students, aged 10 to 12, along with 6 teachers, who have received ongoing technical and pedagogical support, have been part of this transformative initiative. Their participation in the "Connected Classrooms" project has already yielded inspiring success stories; as a pilot teacher from Spain said, "Qualcomm's technology helps students to get involved in the world, to develop the skills our societies need for the present and the future."

As the project progresses into the second phase in the 2023-2024 academic year, the scope and reach of this project will be expanded by involving more teachers and students and introducing virtual reality headsets. Learn more about this project [here!](#)



PARTNERS UPDATES

Airbus Foundation: Inspiring through science and aerospace

The [Airbus Foundation Discovery Space](#) offers educational content (available in English, Spanish, German and French) related to flight and space that may be freely used by education professionals. Young adults (14-18 years old) can enjoy the [Guide to Becoming Yourself](#), a personal development booklet with a focus on soft skills. For teenagers (12-14 years old), TRACES produced [scientific and fun explorations](#) on various themes, including rocket propulsion and satellite launching, while Cadigenia created the animated series [Play with Science](#). For the younger (8-12 years old), the [Discover](#) section provides cartoon videos - a series on satellites will be released shortly!

Cobie AI's Summer Upgrades Boost Inclusivity and Interactive Learning

The Cobie AI team had a busy summer! They worked hard to enhance their [Cobie AI](#) and are proud of some exciting upgrades made. Cobie AI received great feedback on the language aspect of their United by Coding project, which is a must in supporting inclusivity. By combining STEM and language teaching, United by Coding project is enabling faster integration of migrant children. Additionally, Cobie AI have added a new level of AI support for communication, to assist teachers in preparing answers for students using generative AI. Furthermore, they can combine communication with quizzes to make it more interactive, providing an exquisite lesson experience.

Intel® SFI Launches Exciting New Program!

Intel® is excited to unveil the Intel® Skills for Innovation Ambassador Program – a dynamic platform aimed at boosting community engagement and propelling innovation forward. By seamlessly integrating SFI's tools, resources, and opportunities, ambassadors empower students with immersive experiences that cultivate innovation, critical thinking, and tangible skills.

At the heart of this program, ambassadors play a pivotal role in leveraging the potential of the Intel® Skills for Innovation (SFI) platform within their classrooms.

The Intel® Skills for Innovation Ambassador Program offers exclusive perks: the ambassadors are awarded the Digital SFI Badge and Certificate, exemplifying their commitment upon completion of their application. Further recognition will be spotlighted through various social media platforms. The Ambassador Program opens avenues for potential participation in exclusive webinars, engaging happy hours, and international conferences. These platforms encourage networking, knowledge exchange, and professional advancement.

The Intel® Skills for Innovation Ambassador Program isn't just a program; it's an opportunity for educators to revolutionize education, inspire innovation, and shape the course of the future. For more insights into the program's offerings and influence, visit: <https://bit.ly/intelsfi> and use code EUNSFI today!



Lenovo classroom software that makes teaching and learning simpler

By empowering educators to do what they do best even better, you can help every child make the most of their chance at education. Lenovo LanSchool classroom management software is designed to meet the real needs of students first. It helps improve engagement by giving teachers more control over the environment so that students can maintain focus on learning and achieve more.

Lenovo provides a comprehensive digital support system for education. Teachers can control what students see and focus on to guide classroom learning, promote shared experiences and make more of the time available.

Know more: <https://techtoday.lenovo.com/gb/en/solutions/education/lanschool> and try for free: <https://lanschool.com/free-trial/>



OneStream Software supports STEM careers

OneStream Software is proud to support the next generation of innovators in STEM careers. With offices worldwide, we're on-hand for career talks, volunteer activities in local schools and education webinars that help educators and their students as they pursue skills and life-long careers in STEM. With our internship program, we offer long-term career opportunities for young people to fulfil their goals in tech. Stay tuned for our next webinar on OneStream's internship program.

To find out more about OneStream's market-leading Intelligent Finance Platform with Machine Learning capabilities, visit www.onestreamsoftware.com

Nice STEM project: fly a drone with Texas Instruments graphing calculators!

Would you like to bring STEM to the classroom? With Texas Instruments graphing calculators you can have students write their own program to fly a Tello drone! You can easily organise this project for your school by downloading free teaching materials that explain step-by-step how to program the drone. Working on a STEM project like this is fun and helps students learn useful programming techniques. They literally put math in motion!

More information: education.ti.com/Europe



Trane Technologies inspires primary students for STEM futures through robotics

By working closely with the VEX IQ Robotics Competition, [Trane Technologies](#) in Ireland is helping to educate and inspire future innovators, engineers, and scientists.

“We started in 2022 providing funding that supported the costs of robotic kits, robot arenas, trophies for the winning schools, and an overall prize for the winning school,” said Gail Quinn, human resources leader. “Our team also volunteered over 80 service hours that first year mentoring and coaching the students.”



That support intensified in 2023 as the event grew from 300 to 430 student competitors - all under the age of 12.

As part of our [Sustainable Futures initiatives](#), Trane Technologies is committed to uplifting communities through volunteerism and is passionate about instilling and fostering an interest in STEM-based education from an early age.

“By sponsoring these events, we get the opportunity to play an important role in developing the engineers, mathematicians, and technology experts of the future,” said Quinn. “And the VEX IQ Robotics Competition helps students acquire skills beyond building robots... they learn project management, presentation, teamwork, leadership, public relations, and more.”

Vernier: Pioneering STEM Education for a Sustainable World

In our rapidly evolving world, STEM education is not just beneficial—it’s essential. As we navigate the Fourth Industrial Revolution, the need for expertise in Science, Technology, Engineering, and Mathematics has never been greater. Our company has empowered educators for over 40 years with innovative data-collection technology, enabling students to explore science in groundbreaking ways. The challenges facing our planet, from climate change to cybersecurity, demand interdisciplinary solutions. By fostering a strong STEM curriculum, we’re not just enhancing academic success; we’re investing in a sustainable, equitable future for our planet.

Learn more about Vernier [here](#).



PREMIUM PARTNERS



GENERAL PARTNERS



About the STEM Alliance

The STEM Alliance (www.stemalliance.eu) brings together industries, Ministries of Education and education stakeholders to promote Science, Technology, Engineering and Mathematics education and careers to young Europeans and address anticipated future skills gaps within the European Union. The STEM Alliance builds on the success of the EU-funded inGenious initiative (2011-2014) to increase the links between STEM education and careers, by involving schools throughout Europe.