

Welcome to Scientix®



Scientix is the leading science education community, bringing together all education stakeholders to create a world in which Science, Technology, Engineering and Mathematics education is seamlessly integrated into everyday life. An initiative designed to mobilise, connect and guide, it enables all key stakeholders to participate in shaping a future where science education plays a central role in our society. Scientix is coordinated by **European Schoolnet®**, the network of 30+ Ministries of Education.

Scientix provides an open platform where education stakeholders can access resources and tools on STEM education, including academic knowledge, articles, teaching resources, and courses for educators. Thousands of STEM education projects are available via the Scientix Repositories.

"We promote science education to inspire future scientists and ensure that all students recognise the important role that science plays in society, regardless of their chosen career path.

Through fostering curiosity, supporting relevant policies and encouraging public engagement, our goal is to create a world where science continues to enrich lives and address the challenges of tomorrow.

Working with European teachers is a daily source of inspiration. Their commitment and passion never cease to amaze me, and it is rewarding to see the Scientix community growing and helping them learn and connect with each other.

*So, a warm welcome to you, we hope you'll enjoy the thousands of resources and opportunities it offers. Make sure to check our **news section** and subscribe to our **newsletters** to ensure you don't miss out!"*

Dr Agueda Gras-Velazquez
Head of the Science Education Department
European Schoolnet



Discover Scientix now:
www.scientix.eu

THE SCIENTIX MISSION: TRANSFORMING SCIENCE EDUCATION FOR THE 21st CENTURY

Over the past 14 years, Scientix has evolved from a small online platform into a dynamic, thriving community for science education in Europe, with thousands of members, resources and evermore opportunities to connect with science education projects and STEM educators, researchers, policy makers and industry representatives.

The [core values](#) remain the same as we continue to support science education in many different ways. These values are defined and reviewed annually in concertation with the [Scientix Ministries of Education STEM Representatives Working Group](#).

OUR PRIORITIES

1/ MAKE STEM TEACHING BETTER

Improve and optimise STEM teaching from early childhood to secondary education and make learning more contextualised and relevant. We bring new resources for teachers and boost their confidence in implementing innovative teaching practices.

2/ CONNECT STEM EDUCATION WITH GLOBAL CHALLENGES

Help teachers and educators nurture mindful citizens and modernise education to reflect 21st century values. We connect teachers with projects that push the boundaries of education into new directions and offer transformative perspectives on teaching and learning.

3/ EXPAND ACCESS TO STEM CAREERS FOR ALL STUDENTS

Support teachers in their role as career advisers to raise awareness of STEM jobs and encourage all students to pursue careers in these fields. Scientix creates collaboration opportunities with Industry and showcases diverse STEM role models to break all stereotypes.

4/ FACILITATE EXCHANGE & PEER LEARNING

Create the space for peer learning and opportunities for co-creation between teachers and other key education stakeholders (policymakers, industry partners, EdTech providers, etc). With teachers, we mainstream and validate best practice and pilot new technologies in the classroom.

‘We bring together the actors of Education to make it fit for the challenges of tomorrow’

Marc Durando *Executive Director, European Schoolnet*

The Scientix communities include all major stakeholders groups involved in STEM education enabling them to collaborate on **research** and **EU funded projects** and **private initiatives** to develop new classroom innovations, disseminate best practice, sustain long term systemic change, and help bridge the STEM skills gap currently facing Europe.

Through Scientix, we connect the following areas and actors:

POLICY:

Ministries of Education, EC Policymakers, Local Government and Regional Authorities, School Leadership.

SOCIETY:

Teachers and Educators in Formal and Non-Formal education from Early Childhood to Secondary School, School Career Advisers.

THEORY:

Academia and Researchers, Teacher Trainers, Peer Trainers.

PRACTICE:

Industry Partners, STEM professionals, EdTech and Civil Society (NGOs, Museums, etc.)

WE PILOT CLASSROOM INNOVATIONS

Scientix collaborates with the European Commission, Industry partners, Ministries of Education and Academia to test, refine, and mainstream pedagogies, practices, topics, and technologies in practical settings.

Through publicly and privately funded **pilot projects and initiatives**, we analyse the needs of educators and schools and the challenges they face and we produce an extensive knowledge foundation to support and optimise the object(s) of the pilot.

Aiming to facilitate practical validation by users, but also to amplify the impact of the innovations and tools tested, our pilot initiatives can also include professional development opportunities and dissemination campaigns (in partnership with the European Schoolnet Academy).

WE SUPPORT WITH KNOWLEDGE

Scientix offers an ecosystem to explore the constantly evolving landscape of pedagogies and topics at the heart of European education. Not only do we help expand the knowledge pool around these subjects and pedagogies, but our online platform also centralises thousands of related teaching resources to help educators stay up to date with the latest development in educational science.

Scientix is a key actor in achieving the European Commission's [STEM Education Strategic Plan](#) presented as part of the [Union of Skills](#), and the [European Green Deal](#), which require pedagogy transformations to prepare citizens for the job market of tomorrow while supporting the green and digital transitions.

SCIENTIX SUPPORTS STEM FUTURES FOR ALL

The services proposed by Scientix and its established networks of education stakeholders align with the European Commission's **STEM Futures** initiative to **LIFT barriers** to STEM education and careers.

For over 15 years, Scientix has helped nurture meaningful engagement with STEM education **while supporting modern European values of equality, inclusion and gender balance**.

Our activities help **identify and validate innovative educational practices** and **translate them into accessible resources** for educators so that all students can benefit from state-of-the-art education whatever their age, gender, social background, or even geographical location, thanks in no small part to the Scientix Campaigns!



WE LOOK BEYOND WHAT WE TEACH TO TRANSFORM HOW WE TEACH

The transformations needed to future-proof education for the 21st century rest on a range of pedagogies and innovative teaching practices that have long been championed by Scientix.

One such essential pedagogy that permeates in many [Scientix Partner Projects](#) is *Integrated STEM education*, also known as **STE(A)M Teaching and Learning**. STE(A)M breaks down the barriers of subject-based education by focusing on transversal and problem-based classroom experiences. The (A) stands for integrating STEM with (All) other subjects in the curriculum, from arts to physical education, to help students connect with science and make learning more contextual and relevant.

Integrated STEM Education is a first step towards **Integrated Teaching and Learning**, where collaboration, problem-solving and competence-building, rather than compartmentalised knowledge delivery, are at the heart of the learning experience.

But new pedagogies and classroom practices present challenges for educators who need training, support and tools. This is why Scientix collaborates with EU-funded projects like the [STE\(A\)M Education European Roadmap](#), which bring together all education stakeholders for the long-term inclusion of STE(A)M in European curricula. Scientix is also focused on introducing STE(A)M education at an early age, and we are thrilled to be expanding our activities in Early Childhood Education and Care (ECEC) and to propose STE(A)M-based resources for teachers, in addition to inspiring STEM role models for younger students in projects like [OUTSTE\(A\)M](#).

European science education is increasingly integrating environmental subjects and [Learning for Sustainability](#). The European Commission's [Green Comp Framework](#) highlights essential competences that educators should strive to develop in their students, among which are environmental knowledge, empathy for nature and agency in acting for the sustainability of society and the planet. To achieve those, Scientix collaborates on initiatives like the EC-funded [BUSTIC EDU](#) project, which will help educators navigate and develop green competences, and will centralise Green Comp resources in the upcoming [Scientix Collections](#) service, developed in partnership with [CISCO](#).

WE CONNECT EDUCATION WITH STEM PROFESSIONALS & CAREERS

Collaboration is one of the pillars of Scientix. Indeed, only by bringing all the actors and stakeholders of formal and non-formal education can we shape a new education fit to address the challenges of the future. Scientix enables collaboration with industry through the [STEM Alliance by Scientix](#) framework to bring real-world and employment perspectives and inspire students with STEM role models fit for the modern world.

Partnering with Scientix provides a strategic entry point for industry partners into Europe's largest science education community. This affiliation ensures a holistic approach to shaping the future of STEM education and addressing a key priority for Ministries of Education and the European Commission: equipping the next generation with the competencies needed to close the STEM skills gap. By contributing real-world insights, showcasing STEM careers, and offering role models, industry partners play a crucial role in contextualising STEM teaching and inspiring students to pursue STEM pathways.



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With career-related activities and resources like the [Repository of STEM Career Profiles](#) or the [Online Chats with STEM Experts](#) where students engage first hand with inspiring STEM professionals, we help educators inspire thousands of students in Europe to study STEM and pursue careers in the field(s).

[Explore the STEM industry membership options](#)

WITH THE SCIENTIX CAMPAIGNS, WE GIVE VISIBILITY AND AMPLIFY BEST PRACTICE



The annual Scientix [STEM Discovery Campaign](#), is a flagship event for science education in Europe. The [2025 edition](#) confirmed previous successes with over 6,500 STEM activities shared by educators, engaging more than 800,000 participants across the world.

The Scientix STEM Discovery Campaign is a global effort inviting educators and organisations to celebrate STEM careers and studies. Taking place from February to April, participants share activities on its [interactive world map](#).

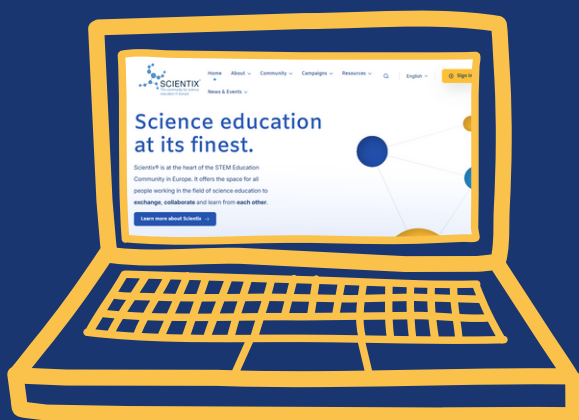
Every year, the [Scientix Awards](#) celebrate the outstanding achievements of science teachers in various fields and subjects. Proposing activities like designing lesson plans, implementing learning scenarios prepared by projects, or exploring new topics and technologies, the Scientix Awards enable over 600,000 European students to benefit from Scientix every year.

For the 2025 edition, [more than 70 educators from around the world](#) received an award, many of whom were invited to join *Science Project Workshops* in the [Future Classroom Lab](#) in Brussels, discovering resources, project, and new technologies to enhance their practice.

[Watch a short video on the
2025 Science Project Workshops in Brussels](#)

THE SCIENTIX PORTAL DELIVERING RESOURCES & COMMUNITY BUILDING

The portal gives users easy access to hundreds of projects, resources, and online courses. It centralises all the things Scientix does: our [spaces for exchange](#) and [community building](#), our latest [news and events](#) and the [Scientix Repositories of Resources](#). Resources are organised into three categories: *Knowledge*, *Networking* and *Professional*.



The **Knowledge Section** brings together all the materials on STEM topics and knowledge. It includes research papers, grey literature, and technical reports from EU-funded projects alongside the **Repository of Projects**, where users can find background information on European and global STEM education initiatives.

To support educators and practitioners, the section also provides a **Repository of Teaching Materials** with teaching materials available in over 30 languages.

The **Networking Resources Section** provides support towards community building. Here, users will have access to the **Scientix Blog** and to the **Scientix Interest Groups** for professional exchange and collaboration. These groups, recognised by Scientix for their quality and integrity, show what committed individuals can achieve when they cooperate.

The **Professional Development Section** brings together all of the learning opportunities offered by Scientix, including **Massive Open Online Courses** (offered via the **European Schoolnet Academy**), **webinars and workshops**. It also allows school leaders to explore the **STEM School Label** development framework to support school STEM strategies.

In the **Community Section**, users can discover the different stakeholders that make up the Scientix community: education professionals, **STEM education projects** and **STEM Industry partners**. From this section, users can access the **Scientix Community Tool**, a mobile app designed to help educators and Scientix Ambassadors work together and share knowledge. The tool is available in 37 languages and allows users all over the world to connect using an interactive map, provide their views through regular polls and access opportunities.

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