



STEM Learning

Supporting teachers to deliver a world leading STEM education for all young people across the UK.



Teacher Support

There is a huge amount of support available for teachers joining the career.

- A community platform where teachers can ask any random question and seek support and guidance from other teachers and subject specialists.
- Professional development courses to enable teachers to be the best they can and to further enhance their subject knowledge
- A huge free resource library covering all areas of STEM
- Lots of enrichment activities to keep students engaged and to raise the aspirations of students
- Lots of career support to help teachers inspire young people on future jobs

STEM Primary CPD Support



Professional development for primary teachers

We know that well-being is an important consideration for teachers. One of the main stresses that teachers face is workload. We build this into our support and provide teachers with different ways to access professional development to meet their needs, helping with a positive work-life balance.

You will also receive a [STEM Certificate](#) when you successfully complete our CPD.

- [Science teachers](#)
- [Support with digital skill across STEM subjects](#)
- [NCCE computing CPD](#)
- [Become a professional development leader](#)



STEM Secondary CPD Support



Professional development for secondary and Post-16 educators

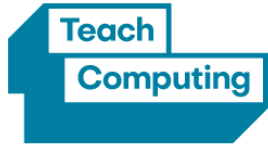
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STEM – Computing Support

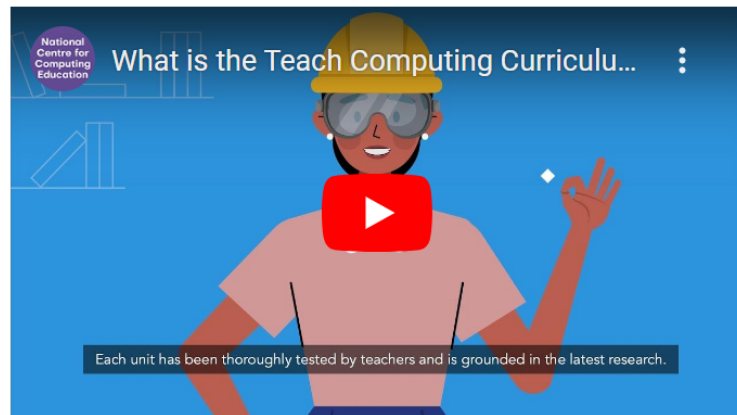


[Create an account](#) [Log in](#)

[Primary school](#) ▾ | [Secondary school](#) ▾ | [Training and support](#) ▾ | [Teaching resources](#) ▾ | [About us](#) ▾

Teach Computing Curriculum

Everything you need to teach computing at key stages 1 to 4



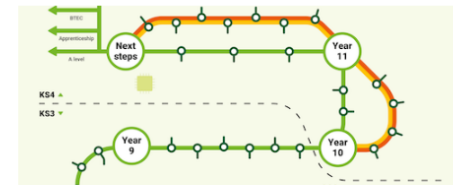
STEM Learning operates the STEM Ambassador Hubs, the National STEM Learning Centre and Network, alongside other projects supporting STEM education
www.stem.org.uk



STEM – Computing CPD Support

Why use our Teach Computing Curriculum?

- Resources include lesson plans, slides, activity sheets, homework, and assessments
- Each key stage has a teacher guide and curriculum map to help you get started
- Built around an innovative progression framework where computing content has been organised into interconnected networks we call learning graphs
- Created by subject experts, using the latest pedagogical research and teacher feedback
- All of the content is free for you to use, and in formats that make it easy for you to adapt it to meet the needs of your learners



Get a better understanding of progression through each key stage and year group by [viewing our curriculum journey poster](#).

Choose resources by key stage

[Key Stage 1](#)

Year 1-2, Age 5-7

Units: 12
Lessons: 72

[Key Stage 2](#)

Year 3-6, Age 7-11

Units: 24
Lessons: 144

[Key Stage 3](#)

Year 7-9, Age 11-14

Units: 19
Lessons: 114

[Key Stage 4](#)

Year 10-11, Age 14-16

Units: 22
Lessons: 178

STEM – Computing CPD & resource Support

Computing courses for teachers

Discover our range of professional development courses, designed to help you teach computing. Courses cover key stages 1 to 4 and cater for all levels of knowledge.

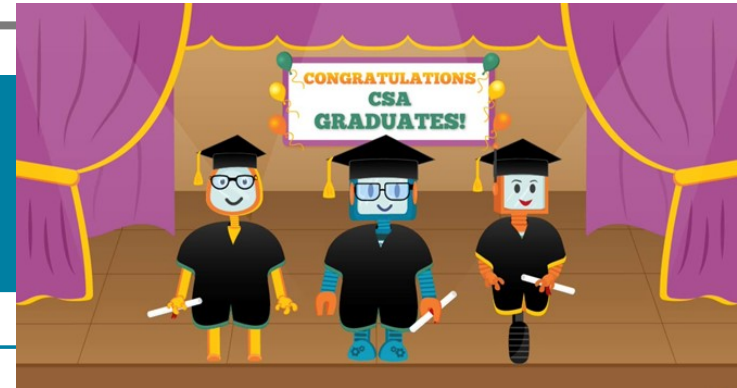
Choose how and when you want to learn, through face to face, online, or live remote training.



£ Funding

We offer financial support to state-funded schools and colleges across England, including subsidies to support supply cover for continuing professional development.

[Funding information](#)



STEM Ambassadors

37,000 volunteers available to support teachers across the UK in a range of fields.

STEM Ambassadors will support learning, illuminate careers and raise aspirations

Activities range from speaking to students, bringing the curriculum to 'life'; arranging work placements / visits, judging competitions etc.



STEM Ambassadors



How STEM Ambassadors support primary teaching

Bring STEM subjects alive with our industry experts

STEM Ambassadors help bring STEM subjects alive and provide real-life examples of industry careers, facilitating an invaluable link between schools and industry. They are already proving to be an incredible resource for primary schools across the UK and can be requested to support every element of your STEM curriculum.

" STEM Ambassadors make that link really clear between the learning pupils are doing in the classroom and how they will be able to use that in the real world.

"

Laura Deacon, Head of Science, Pegasus and Orchard Meadow Primary Schools



STEM Ambassadors

Examples of STEM Ambassador activities for primary schools



STEM role models

Invite a STEM Ambassador to talk about their STEM career

Request a STEM
role model



Support for teachers

Providing STEM support and advice for non-specialists

Request support



Support for a STEM Club

Request a STEM Ambassador to support your STEM Club

Request a STEM
Ambassador

Examples of STEM Ambassador activities



Classroom



STEM Club activities



Careers talks



Speed networking



Mentoring



Site visits and hosting
work experience



Large science festivals
and fairs



Community and
youth groups

STEM Ambassadors

Who are they?

- 1,495 Industry professionals.
- DBS Checked.
- Volunteers - Their service is completely free.

How to use them:

- www.stem.org.uk – register a teacher's account.

STEM Resources

Our bespoke collections of hand-picked resources have been created to give you new ideas and inspiration.



Primary resources



Secondary resources



Post-16 resources



**Space - ESERO-UK
resources**



**Resources for
technicians**



**Primary STEM
careers resources**



Our website is home to thousands of free-to-access, quality-assured resources to support the teaching and learning of science, technology, engineering and mathematics (STEM) subjects.



STEM Resources – Explorify

A totally free resource

The screenshot shows the Explorify website interface. At the top, there's a navigation bar with links: Home, My dashboard, What's new?, Teacher support, and a user profile for Daljit. Below the navigation bar are four search filters: Year group (all), Science topic (all), Activity type (all), and a search bar with the text "Search 500+ activities". Below the filters, it says "Browsing 718 activities" with a "Close" link. The main content area displays three activity cards:

- Funky feet**: Put your class' observation skills to the test with these three animals and their diffe...
Ages 7 – 9
• Animals, including humans • Living things and their habitats
Buttons: Save, Mark as done?
- Furry flyers**: Put your class's observation skills to the test with these three British bats.
Ages 7 – 9
• Living things and their habitats
Buttons: Save, Mark as done?
- Why do some birds migrate?**: Plan a fun investigation and get your class thinking about migrating birds.
Ages 7 – 9
• Animals, including humans • Living things and their habitats • Topical science
Buttons: Save, Mark as done?

Explorify is funded by Wellcome, a global charitable foundation. Wellcome's education team works to ensure that all pupils in the UK have access to a world-class inspiring and relevant science education by supporting education research, professional development and primary science.



Simply sign up, verify your email address and start completing activities! We've found that teachers particularly love the Zoom In Zoom Out and What's Going On? activity types, so these might be a good place to start!



STEM Resources



EUROPEAN SPACE EDUCATION RESOURCE OFFICE
A collaboration between ESA & national partners

[ESERO-UK](#) [CPD](#) [Resources](#) [Enrichment](#) [Recognition](#) [News and views](#) [STEM Ambassadors](#) [About us](#) [Careers in space](#) [Exploring Ma](#)

Helping schools, colleges and families use the context of space to inspire and engage young people

[READ MORE >](#)



STEM Resources

WHAT CAN YOU FIND HERE?

Inspiring resources



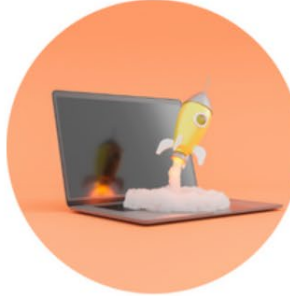
Hundreds of curriculum-linked, quality-assured space resources.

CPD



Book onto ESERO-UK's high-impact CPD and bring space into your classroom.

Magazine



Be inspired by the latest news and blogs from our space ambassadors and subject specialists.

STEM Ambassadors



STEM Ambassadors are volunteers that can support your activities in schools

CanSat



Mission X



Climate Detectives



Recognition



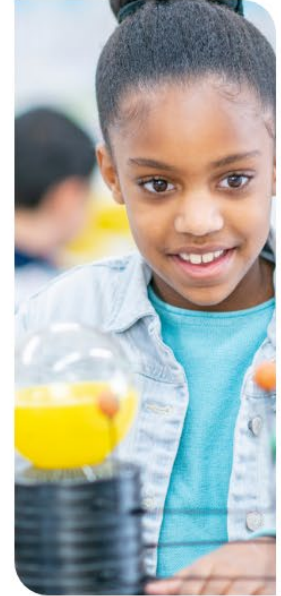
STEM Enrichment support

Enrichment

There are plenty of ways you can deliver enrichment activities and find volunteers to support you.

Encourage young people to develop important life skills through enrichment and engage with the wider community in practical, enjoyable, and meaningful ways.

From enrichment activities to finding volunteers, find out how STEM Learning can support you.



STEM Enrichment support



Primary
▼

Secondary
▼

Post-16
▼

Employers
▼

STEM Ambassadors
▼



STEM Clubs Activities

Browse a range of activities to support you and your school in delivering exciting and inspiring STEM-related sessions.

[Take a look](#)



Handbooks, webinars and videos

Find guidance on how to set up and run a successful STEM Club and hear from established club leaders.

[Take a look](#)



STEM Clubs CPD

Discover workshops and online courses designed to guide and inspire existing or aspiring STEM Clubs leaders.

[Book now](#)



STEM Community



STEM Community

STEM Community is a friendly, supportive network of more than 20,000 teachers and technicians helping each other. Featuring exclusive events, subject-specific groups, lively debates and topical news, you can't afford to miss out.

It's free to join and it uses the same login details as your STEM Learning website account if you already have one.

[Join the STEM Community](#)



STEM Community

Join STEM Community groups

Primary STEM

**Teaching 11-19
Science**

Technicians

**Careers, Clubs and
Cross-Curricular**

**Early Career Club -
Primary**

**Early Career Club -
11-19**

“The wealth of knowledge and expertise within the Community meant the members were able to signpost me to so many more resources, and saved me a lot of time!”

STEM podcasts



STEM Insights podcast

Our podcast STEM Insights will help educators turn the latest research into practice.

Our education team have many years of teaching experience, and will be discussing all of the latest news, research and hot topics for you to implement in your classroom.

[Listen now](#)



What if you don't know what support you need...

There is support there too!

