

Support for
teachers

Continuing professional development for teachers

To support teachers to continue educating young people while they are at home, we have developed a range of materials, including free resources, tips from our subject experts and professional development opportunities.

Live Remote CPD

A series of FREE SCIENCE CPD covering subject knowledge, pedagogy, curriculum design and health and safety.



- Courses are delivered remotely via short, live sessions.
- In between live sessions, structured tasks allow teachers to explore key resources, develop materials to share with colleagues and reflect on their own learning.

Search all of our remote courses at www.stem.org.uk/remote-courses-for-teachers

PRIMARY: SCIENCE

TEACHING PRIMARY SCIENCE

Return to the classroom with the tools and confidence to plan and develop effective learning for children in your class.

Teaching EYFS Science

■ www.stem.org.uk/rx001

Teaching Key Stage 1 Science

■ www.stem.org.uk/rx002

Teaching Lower Key Stage 2 Science

■ www.stem.org.uk/rx003

Teaching Upper Key Stage 2 Science

■ www.stem.org.uk/rx004

BACK TO SCHOOL: LEADING PRIMARY SCIENCE

This course supports subject leaders to clearly define the curriculum across the school and enable them to effectively support teachers, implementing it successfully in the classroom.

■ www.stem.org.uk/rx005

BACK TO SCHOOL: PRIMARY SCIENCE FOR NQTS

Explore the requirements of the primary science curriculum, improve your subject knowledge, plan exciting lessons and build your confidence in teaching practical science activities.

■ www.stem.org.uk/rx006

SECONDARY: SUBJECT KNOWLEDGE ENHANCEMENT COURSES

Gain confidence in planning and teaching an engaging curriculum across the secondary science subjects.

Aimed specifically at non-specialists, you will gain the tools and confidence to plan and teach your chemistry classes effectively.

BIOLOGY

KS3 Biology

■ www.stem.org.uk/rx007

KS4 Biology

■ www.stem.org.uk/rx008

Biology Triple Science

■ www.stem.org.uk/rx009

CHEMISTRY

KS3 Chemistry

■ www.stem.org.uk/rx010

KS4 Chemistry

■ www.stem.org.uk/rx011

Chemistry Triple Science

■ www.stem.org.uk/rx012

PHYSICS

KS3 Physics

■ www.stem.org.uk/rx013

KS4 Physics

■ www.stem.org.uk/rx014

Physics Triple Science

■ www.stem.org.uk/rx015



SECONDARY: TECHNICIANS

TECHNICIANS : MAINTAINING YOUR PREP ROOM

Strategies to maintain your prep room in an efficient and safe manner.

■ www.stem.org.uk/rx022

TECHNICIANS : HEALTH AND SAFETY

Develop an understanding of effective health and safety in labs, prep rooms and chemical stores.

■ www.stem.org.uk/rx023

TECHNICIANS : SETTING UP YOUR OWN STEM CLUB

Recruit members to your club and plan activities to engage and enthuse students with some sample activities.

SECONDARY: SCIENCE



MATHS IN THE SECONDARY SCIENCE CURRICULUM

Develop your teaching of key areas of mathematics in the science curriculum.

■ www.stem.org.uk/rx016

MOVING INTO SCIENCE LEADERSHIP

Learn how to employ a range of strategies to lead and manage your team effectively.

■ www.stem.org.uk/rx017

LEADING HEALTH AND SAFETY IN YOUR SCIENCE DEPARTMENT

Develop and implement effective health and safety in your science department.

■ www.stem.org.uk/rx018

HEALTH AND SAFETY FOR NQTS IN SCIENCE

Develop your confidence in effective health and safety for science practicals.

■ www.stem.org.uk/rx019

LEADING ON SECONDARY SCIENCE CURRICULUM DESIGN

Consider the principles of an effective curriculum and how to plan for progression in content, skills and long term learning.

■ www.stem.org.uk/rx020

SECONDARY SUPPORT FOR NEW TEACHERS

Discover some of the key strategies for becoming a successful science teacher.

■ www.stem.org.uk/rx021

DEVELOPING LEARNER'S RESILIENCE AND INDEPENDENT LEARNING SKILLS IN POST 16 SCIENCE

Explore different methods to help learners manage the transition from key stage 4 to key stage 5.

■ www.stem.org.uk/rx025

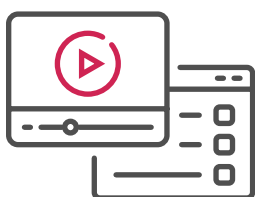
PLANNING AND DELIVERING A REMOTE SCIENCE LESSON

Develop the skills required to deliver remote science lessons in an effective and engaging way for your learners.

■ www.stem.org.uk/rx026

Online Courses

A range of **FREE TO ACCESS** online courses, hosted by FutureLearn, designed for teachers at every stage of their career. Participants can:



- access real classroom footage.
- discuss lessons with colleagues.
- learn from leading experts.

Search all our online CPD at www.stem.org.uk/online-cpd

PRIMARY: SCIENCE

TEACHING PRIMARY SCIENCE: GETTING STARTED

Learn how to deliver primary science in an engaging and practical way in this course for teachers of 5-11 year old pupils.

■ www.stem.org.uk/ne708

TEACHING PRIMARY SCIENCE: CHEMISTRY

Develop your knowledge and discover how to address pupil misconceptions when teaching chemistry in primary science.

■ www.stem.org.uk/ne005

TEACHING PRIMARY SCIENCE: HUMAN SPACEFLIGHT

Learn how to use the topic of human spaceflight to excite and engage your pupils across the primary science curriculum.

■ www.stem.org.uk/ne002

TEACHING PRIMARY SCIENCE: EXPLORING SPACE

Plan your own space week and learn how space exploration can inspire your primary school science students to work scientifically.

■ www.stem.org.uk/ne003

TEACHING FOR HOME LEARNING: PRIMARY SCIENCE

Learn teaching strategies and tools to make the transition to online primary science teaching easier during the COVID-19 pandemic.

■ www.stem.org.uk/ne006

SECONDARY: SCIENCE

TEACHING PRACTICAL SCIENCE COURSES

Discuss with other teachers, the relationship between theoretical concepts and practical work, challenging you to think about what is happening in the classroom and what your students are learning through practical work in physics.

Teaching Practical Science: Chemistry

■ www.stem.org.uk/ne705

Teaching Practical Science: Physics

■ www.stem.org.uk/ne706

Teaching Practical Science: Biology

■ www.stem.org.uk/ne707



TEACHING BIOLOGY: INSPIRING STUDENTS WITH PLANT SCIENCE

Developed with specialists at Science & Plants for Schools (SAPS), you will learn how to use plants to teach biology and support secondary students' learning.

■ www.stem.org.uk/ne206

MANAGING THE PRACTICAL CLASSROOM IN SECONDARY SCHOOL SCIENCE

Discover how to create a safe and supportive classroom to maximise your students' learning in practical science, from managing behaviour and fostering positive attitudes to implementing departmental processes.

■ www.stem.org.uk/ne208



CURRICULUM DESIGN FOR SECONDARY SCHOOL SCIENCE

Introduction to curriculum design for teaching science to students aged 11-19 years. Exploring various approaches, as well as how support for teachers can be modelled to support effective learning for students.

■ www.stem.org.uk/ne209

TEACHING FOR HOME LEARNING: SECONDARY SCIENCE

Whilst teaching remotely may be new, this course will help you to develop new online and offline teaching strategies for supporting learning at home and at a distance.

■ www.stem.org.uk/ne211

Other support available

REMOTELY DELIVERED LESSONS FOR YOUNG PEOPLE

Remotely-delivered, curriculum-linked science lessons accompanied by live Q&A sessions with our subject experts. Lessons are accompanied by 'live chat' Q&A sessions to provide secure 1:1 support for teachers, parents and learners, and signpost additional resources where appropriate.

■ www.stem.org.uk/remote-lessons

FREE RESOURCES FOR HOME TEACHING

A selection of primary, secondary and post 16 resources organised into topic area and year group. Many of the resources also include opportunities for working scientifically at home to help young people's learning.

■ www.stem.org.uk/home-teaching#free-resources-for-home-teaching

LIVE CHAT

If you need any help, our subject experts are available weekdays from 8:30 am to 4.30 pm via our webchat, which you can find on the bottom right-hand corner of all our web pages.

ACTIVITIES TO SUPPORT CONTINUING IN-SCHOOL DELIVERY

We have curated a selection of cross-curricular activities that can be used in school to engage young people of all ages. All these resources can be adapted for use with individual students, small groups or mixed-age classes.

■ www.stem.org.uk/home-teaching#activities-for-in-school-delivery

STEM CLUBS

We now offer a free new short online course focussing on how to run and deliver a STEM Club remotely along with two remote workshops for secondary schools and FE colleges on 'Getting started' and 'How to be successful and thriving'.

■ www.stem.org.uk/stem-clubs

STEM AMBASSADORS

Teachers can now request an online activity with a STEM Ambassador. This support is available for schools which are currently open and remote teaching, however a teacher must supervise each activity. For more information visit:

■ www.stem.org.uk/stem-ambassadors/find-a-stem-ambassador

STEM Learning - achieving a world-leading STEM education for all young people across the UK

www.stem.org.uk