

SCIENCE MUSEUM GROUP

ACADEMY

THE HOME OF SCIENCE
ENGAGEMENT

Science Museum Group Academy training courses share creative and practical ideas for teachers and museum and other STEM professionals.

All courses are founded on our approach to learning and engagement, and are shaped and informed by evidence from audience and academic research.

Training courses for individuals can be booked directly through the Academy: smgacademy@sciencemuseum.ac.uk

Courses for organisational or institutional needs, or bespoke requests, can also be accommodated.

COURSES FOR TEACHERS AND EDUCATORS

These courses are suitable for primary (KS1–2) and/or secondary teachers (KS3).

SCIENCE ENGAGEMENT

Course description

A practical, hands-on course which shares creative and research-informed approaches to help create engaging and inspiring science learning experiences.

You will use a range of practical activities that will help your students to develop confidence, and the skills to engage with and talk about science in the classroom and in their everyday lives. All activities use easily obtainable materials, so that you can use them in your classroom straight away.

Learning outcomes

- Know how to create engaging science experiences informed by good practice from recent research
- Have a range of new ideas to use with your students
- Have ideas to build your students' enquiry and thinking skills
- Inspiration and confidence to use these approaches in your teaching.

SCIENCE BEYOND THE CLASSROOM

Course description

Packed with practical ideas to help you get the most from a visit to a museum, science centre or even your local park, this course will explore the different ways you can use experiences beyond the classroom to support your students' science learning and engagement.

During this course you will have the opportunity to try out a variety of practical activities that you could use with your students, and discover a range of resources and techniques to build students' questioning and thinking skills, orientate them to new places and explore STEM content.

Learning outcomes

- Why and how outside-the-classroom learning experiences support curriculum teaching and engagement with STEM
- Ways to embed outside-the-classroom learning experiences into curriculum teaching and to help build students' discussion, enquiry and thinking skills
- Confidence to use outside learning experiences with students

All courses are full day events held at the Academy location in either the Science Museum, London, or the Science and Industry Museum, Manchester.

Courses can also be tailor-made and delivered at other locations subject to clients covering travel and other expenses of trainers.



Image: Science Museum Group Collection

OUR MOST SUCCESSFUL TRAINING MODULES

In Train the Trainer we share our approach and best practice for developing and delivering training courses. What does good teaching and learning look like? How can you keep a room energised throughout a full-day workshop?

Together we can work on a bespoke package for your organisation that gives the relevant experience and skills to your staff members, enabling them to share such techniques more widely within your organisation.

We are also able to support scientists, volunteers and industry professionals to develop public engagement events and communicate the relevance of their work with target audiences.

For more information please get in touch:
Cultural and Commercial Partnerships
+44 (0)20 7942 4234
partnerships@sciencemuseum.ac.uk

COURSES FOR STEM AND MUSEUM PROFESSIONALS

These courses are aimed at anyone involved in delivering STEM public engagement and learning experiences.

ENGAGING ALL AUDIENCES WITH SCIENCE: SCIENCE CAPITAL & INFORMAL SCIENCE

Course description

A practical course which introduces the concept of science capital and how it can be used and applied to develop and deliver science engagement experiences.

Includes an introduction to our research-informed good-practice framework and toolkit to help embed and critically reflect on the research in day-to-day work.

Learning outcomes

- Understanding of what science capital is and what it can look like in practice.
Understanding of how informal science learning experiences can help to build science capital
- Practical ideas to help apply the research in practice

AUDIENCE ENGAGEMENT

Course description

From thinking about the needs of different audiences, to writing key messages and learning outcomes, and ways to get people talking and actively involved, this course will share practical activities and ideas to inspire you in your next public engagement opportunity.

During this course we will share research-informed creative and practical ideas to help you engage different audience groups and to feel more confident communicating your work with them.

Learning outcomes

- Understand how to engage with different audiences
- Understand the value of good learning outcomes and how they can help measure the success of activities
- Feel more confident to interact with the public and start discussions with them around your area of expertise
- (How to share this training with your wider team)