

SCIENCE MUSEUM GROUP



ACADEMY
INSPIRING SCIENCE
ENGAGEMENT TRAINING

The Science Museum Group is the world's greatest alliance of science museums, with an unparalleled collection of objects from the fields of science, technology, engineering, mathematics and medicine.

We reach millions of people globally who visit our sites, engage with us digitally or experience our international touring exhibitions.



INTRODUCTION TO ACADEMY

The internationally recognised Science Museum Group Academy provides science engagement training for educators, employees of cultural organisations and professionals working in science, technology, engineering and maths (STEM).

Grounded in over 25 years of research and over 90 years of engaging audiences within our five museums, the Academy training courses play an essential role in helping to address the challenges of low science engagement among adults and young people.

Every training session is underpinned by academic and science education research, including the concept of 'science capital', which the Science Museum Group developed with King's College London and University College London to help transform the way professionals communicate with their audiences.

Explore more overleaf and find out how you can help to inspire the next generation.

WHAT IS SCIENCE CAPITAL?

Science capital is a measure of your engagement or relationship with science, how much you value it and whether you feel it is 'for you'. It highlights the significance of external influences in shaping attitudes towards STEM – for example what you know about science, how you think about it, what science-related activities you do, and the people you know who use and talk about science. The Science Museum Group Academy gives us a unique opportunity to roll out at scale impactful engagement techniques underpinned by this research.

In addition, equity and social justice are integral to the concept of science capital, enabling and empowering more people to access the opportunities and wonders of STEM. Taking a science capital-informed approach is about understanding and challenging inequalities, helping give everyone equal access to opportunities.



Equality aims to ensure that everyone is provided with the same resources and support to access opportunities. But it assumes that everyone benefits from the same support.



Equity recognises people's differences and ensures that everyone gets the support they need — we need equity before we achieve equality.



Justice is achieved when barriers have been removed and everyone can access all opportunities without the need for additional support.

I was delighted to attend the Science Museum Group Academy. As a science teacher in Africa, I firmly believe STEM education is one of the most important tools for equipping future generations to tackle the great challenges of the world.

Peter Tabichi, Global Teacher of the Year, after attending one of our Academy sessions

MEETING THE CHALLENGES OF TOMORROW

Scientific research, creative thinking and innovation play a vital role in meeting the urgent challenges the planet is facing. Young people need to be equipped with the skills to address these challenges, from the development of new medicine and vaccines, to reducing carbon emissions while fulfilling increasing energy demands and feeding growing populations.

Despite this need, society and employers are facing a considerable skills gap, with too few young people, particularly from diverse backgrounds, aspiring to careers in STEM.

Educators and professionals working in STEM fields play a vital role in building a scientifically literate society. The Science Museum Group Academy provides world-class training to support these individuals and their organisations in engaging with adults and young people more effectively.

To equip the next generation with the right skills in science, technology, in engineering and in maths, they need to be exposed to the highest levels of teaching, of expertise, of enthusiasm for science.

Peter Mather, Group Regional President, Europe and Head of Country, UK, BP – the Academy's founding partner



BUILDING A SCIENTIFICALLY LITERATE SOCIETY

Ever since we opened our Children's Gallery at the Science Museum in 1931, we have believed in the power of informal learning to inspire future generations.

The Science Museum Group Academy offers training online and in person at our dedicated hubs in the UK. Since its launch in 2018, thousands of teachers, museum educators, scientists and industry professionals have benefited from science engagement training.

With your help, we now have an opportunity to extend this reach even further and make science truly open for all.

By making this training available globally, we are developing partnerships to help inspire teachers, educators and STEM professionals worldwide, who in turn will give young people from the widest range of backgrounds the skills, confidence and inspiration to make a difference in tomorrow's world.



FEEDBACK FROM ATTENDEES OF OUR ACADEMY TRAINING SESSIONS:

The Academy course was a wonderful way to get you out of the classroom and think about ways to engage and inspire learners.

It was one of the best courses I attended in 20 years of teaching.

Interactive and helped me to think of ways I can link science to students' lives.

WAYS TO GET INVOLVED

CONTACT US TO:

- Request an overview of our different training packages, including bespoke training sessions and workshops tailored to your organisation's needs.
- Find out more about the Academy International Hub programme if you are interested in delivering training for science engagement in your country.

Above all, we are flexible.

Get in touch with us and we will be happy to put together a dedicated programme for you.



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