

# SCIENCE MUSEUM

## TECHNICIANS

Our skills make a difference

We are hands-on problem-solvers

You can join us



# GALLERY GUIDE

## TECHNICIANS: THE DAVID SAINSBURY GALLERY

### INFORMATION



Age  
11-14, 14-16

Topic  
CAREERS, SKILLS

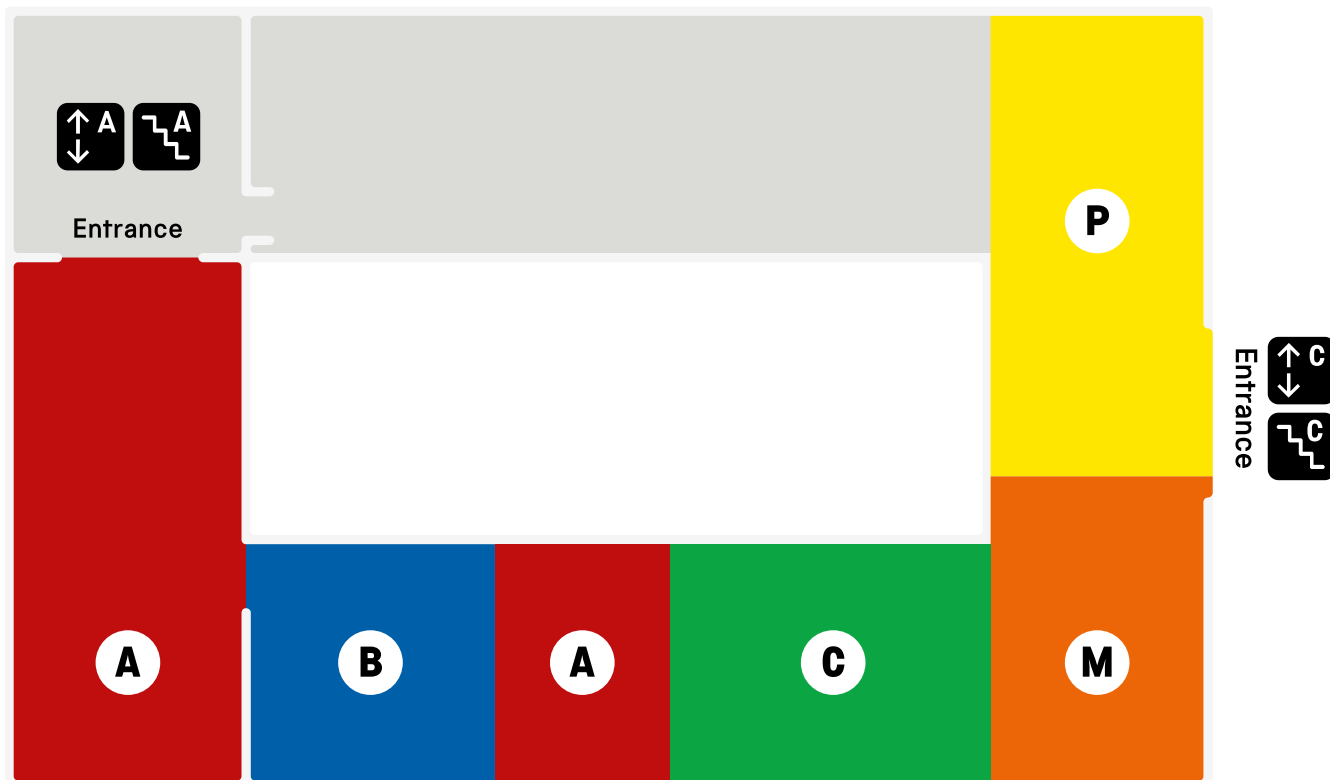
Location

LEVEL 1, SCIENCE MUSEUM, LONDON

**Technicians is an interactive careers gallery aimed at young people. We invite you to experience the amazing, often unnoticed work technicians do.**

Technicians use their hands-on problem-solving skills to positively impact our world. There are thousands of highly skilled technician roles that can be reached through practical courses and on the job training routes.

The gallery explores behind the scenes of different industries where technicians play an essential role. There are opportunities to get hands-on and use and develop key skills like a technician and to meet inspiring people who share their stories and experience of working as a technician.



**A** Careers area  
**A future me**

**B** Health  
**Build a healthier world**

**C** Creative industries  
**Create imaginative worlds**

**M** Advanced manufacturing  
**Make a high-tech world**

**P** Energy network  
**Power the world**

**Lift and stairs**

TITLE FUNDER



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## P Energy Network Power the World

Behind the energy we rely on, there are technicians who maintain wind turbines, connect sub-sea cables and ensure energy arrives safely in our homes. Explore how these technicians work as teams and use undersea robots and thermal cameras to spot faults.

### **Don't miss: Safety harness**

Discover how and why wind turbine technicians use safety harnesses with this touchable object. Scan the QR code to listen to this audio experience.

### **Don't miss: Fix a wind turbine**

Step into the role of a wind turbine technician and use the skill of diagnosis to identify the fault and get a wind turbine back up and running.



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## M Advanced Manufacturing Make a High-Tech World

Behind every technological advancement there are technicians who use high-tech processes, problem solving skills and creativity. In this world, technicians produce parts on 3d printers and programme robots to improve the ways things are done.

### **Don't miss: Meet advanced manufacturing technician's film**

Hear about the exciting roles that these inspiring technicians have, including what motivates them and what skills are needed to join their industry

### **Don't miss: Program a recycling robot**

Working as a robotics technician use the skill of logic to program a robot to accurately sort recycling waste.



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## C Creative Industries Create Imaginative Worlds

Behind every film there are technicians who light the set, lay down the sound and create the amazing effects. Here technicians capture the best sound with boom mics, create amazing sets and costumes, and improve the look and sound of films in postproduction.

### **Don't miss: Black Panther Film set**

Explore behind the scenes of the Black Panther film set. See how different technician roles bring Shuri's Lab to life on screen.



## B Health

### Build a Healthier World

Behind every hospital visit there are a wide range of healthcare technicians who run tests, make and dispense medicines, and support medical training. In this world, technicians test and measure samples using pipettes and safely make and label vital medicines for patients.

#### Don't miss: Make the medicine

In this hands-on exhibit, step into the role of a trainee pharmacy technician and use measurement skills to make medicines for hospital patients.



## A Careers Area

### A Future Me

Discover the hundreds of exciting technician roles which can be reached through T-levels and apprenticeships. This area is wallpapered with 100 illustrations of technician roles which can be explored to find out how these roles make a difference and keep our world running.

#### Don't miss: A future me interactive

Find out what technician role would suit your interests, skills and personality and explore different technician career profiles and training pathways.



### Talk about...

As you explore Technicians, think about opportunities for future careers. Use these questions as a starting point for discussion:

- Which of these technician roles would be a good fit for your skills, interests and personality?
- Which workplace environment appeals to you?
- How do technicians make a difference to your everyday life?
- What kind of difference do you want to make in your future career?

### Make the most of your visit

In each zone there are touchable objects, hands-on activities and a chance to hear from working technicians.

Use of mobile phones is encouraged to follow the QR codes across the gallery and to learn more about the technician roles and to follow up and discuss after your visit.

There is a suite of access tools to support the gallery experience including an audio description experience which was developed in collaboration with young people for blind and partially sighted audiences and those who love to listen.



### Explore more...

Your journey of discovery doesn't have to stop when you leave the gallery. The museum is full of inspirational stories of how careers, in and from science and technology, have shaped our everyday lives. See technicians story trail...

Continue the experience back in the classroom and at home. The Science Museum website features lots of activities and ideas to support careers discussion.

Find out more about the technician roles and the pathways that lead to them at [Technicians.org.uk](https://www.technicians.org.uk) or scan the QR code.

