



ROYAL
OBSERVATORY
GREENWICH

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2026

Secondary and post-16

Royal Observatory Greenwich Schools' Summer Programme

Cutty Sark | National Maritime Museum | The Queen's House
Royal Observatory | Prince Philip Maritime Collections Centre

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The Royal Observatory Greenwich's Astronomy team is back with their world class in person and digital schools programme!

On-site Offer

Astronomy Exploration Day based at the National Maritime Museum

Astronomy Exploration Days at the National Maritime Museum will include a visit to the new *Astronomers Take Over* exhibition, an explainer led experience and the ZWO Astronomy Photographer of the year exhibition.

Capacity: 30 students per session

Cost: £90

All groups booking into an Astronomy Exploration Day have the option to visit the historic Royal Observatory Greenwich North site for free! Visits without Astronomy Exploration Day bookings are also available at a price of £1 per student. Please contact bookings to arrange this:

Bookings@rmg.co.uk



Astronomers Take Over

Royal Observatory Greenwich is undergoing an astronomical transformation. While this is happening, the astronomers who work there have packed up and moved into the National Maritime Museum. This is your chance to meet the astronomers and ask them all the things you have always wanted to know about space. Be careful though – the crates contain mysteries to uncover. You never know what you might find.

What you will see:

Astronomers Take Over is split into zones where you can meet the team, ask your questions, and try your hand at some science demonstrations.

This includes:

- Hearing from world-leading scientists to find out how they control Mars rovers from Earth to explore its landscape and conditions, the types of jobs they do and how that could be you in the future
- Doing hands-on activities to demonstrate what stars are made of and how the light they emit helps us understand their composition
- Exploring how technology has advanced to capture images of objects and galaxies millions of kilometres away
- Entering immersive installations that highlight the vastness of the Universe.





ZWO Astronomy Photographer of the Year Exhibition

Inspire your students with the Universe in images

Featuring over 100 stunning images of planets, galaxies, nebulae and the night sky, the exhibition brings cutting-edge astronomy to life through stunning space photography.

Ideal for KS3 and above, the exhibition supports learning in Physics (Space and the Universe), STEM, and Art, helping students explore light, telescopes and astronomical phenomena in an engaging, visual way.

Students will discover how astronomy connects to potential careers that link creativity and technology together.

Digital Offer:

Our expanded digital programme remains available for classes around the country to log in with an astronomer for a live workshop or webinar!

All sessions are career or curriculum focussed, and finish up with a question-and-answer segment so students have the opportunity to ask any questions they have. Post-session activities will also be supplied for your students to try afterwards and test what they have learned.

KS3

Forces in Space

What forces are involved in space travel? And how does gravity change in different space environments?

In this interactive digital session, students will:

- Learn the difference between mass and weight and look at what determines the strength of the force of gravity
- Explore how gravity affects space exploration on the International Space Station, the Moon and Mars
- Discuss some recent and upcoming Martian missions, and consider what's next in space exploration.

KS4

What's out There? Exploring Careers in the Space Sector

In this interactive digital session, students will:

- Discover the history of the Royal Observatory Greenwich, and what the first Astronomers Royal were hired to do
- Explore the wide range of different careers in the space sector today and how these impact the world around us.

Life Cycle of Stars

Stars are born, live out their lives and die all throughout the universe, but what determines the path they take?

In this interactive digital workshop, students will:

- Learn about the fusion reactions that occur inside stars and how this leads to the equilibrium between expansion and gravitational collapse
- Learn about the different life-cycles of sun-like stars and giant stars
- Explore how data about stars is collected in space.

KS5

Cosmic Distance Ladder

How do we measure distances in space?

In this interactive digital session, students will:

- Learn about the methods used within the cosmic distance ladder
- Explore the doppler effect on Earth and its application in space
- Discuss the expansion of the Universe, along with what might happen next.

Digital Resources:

ROG Astronomers have been developing educational resources to support learning in the classroom from early years through to post-16. From animated videos, classroom activities and even movement podcasts, each resource has been designed around the national curriculum.

rmg.co.uk/schools-communities/all-astronomy-science-resources

Free Online Lectures

Join FREE LIVE lectures by astrophysicists to connect with current research in the fields of astronomy, physics, planetary geology and space exploration.

More info: rmg.co.uk/whats-on/online/think-space-lectures

FREE Teacher CPD: In-Person based at the National Maritime Museum or online

Join us online or onsite for practical training in teaching space science across primary and secondary, led by Observatory experts.

More info: rmg.co.uk/schools-communities/teacher-educator-training

Get involved

Join the Royal Museums Greenwich Teacher Forum and help shape the learning offer across our sites. Get early access to new resources and special forum member benefits.

Visit rmg.co.uk/teacher-forum to sign up.

Keep in touch

Visit rmg.co.uk/schools-communities/get-involved to sign up for the ROG schools' newsletter

For more information and to book, visit rmg.co.uk/schools-communities/royal-observatory-schools-programme or email bookings@rmg.co.uk

Royal Museums Greenwich: Our sites

National Maritime Museum

Galleries and exhibitions that tell stories of people and the sea.

The Queen's House

An architectural gem that houses a stunning art collection.

Cutty Sark

A Victorian sailing ship, the fastest of its time.

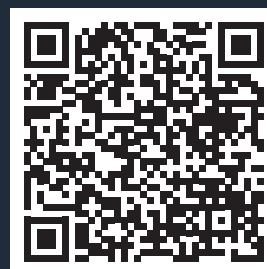
Prince Philip Maritime Collections Centre

The Museum's collections and conservation store, located in Kidbrooke.

Royal Observatory

The home of time and astronomy.

See rmg.co.uk/ROGschoools for more information.



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