



The James Webb Telescope - Space as a Context for Teaching Science

The James Webb Space Telescope (JWST), which is due to be launched from French Guiana in 2018, is the successor to the Hubble Space Telescope and the biggest space astronomy project for a generation. It is an international project involving NASA, the European Space Agency and the Canadian Space Agency. The telescope will look for the first bright objects in the universe and for the chemical signatures of life on distant planets.

UK astronomers and engineers have a major role in the JWST and are responsible for one of the three main scientific instruments, the Mid-Infrared Instrument (MIRI). MIRI is being built by an international consortium of European and US teams led by the UK Astronomy Technology Centre at the Royal Observatory Edinburgh under the scientific leadership of Professor Gillian Wright. During the course teachers will have special opportunities to see the facilities at the observatory and meet scientists and engineers working on MIRI.

In addition, practical workshops will be led by experts from the National Space Centre and Gregor Steele from SSERC who will provide practical techniques and ideas for teaching aspects of both the physics and chemistry curriculum which relate to the science behind the space telescope.

The course will also cover other space telescopes - Gaia and Euclid.

▶ Course information

Date	09 -11 Jun 13 and 07 Oct 13
Venue	The Royal Observatory, Edinburgh and the National Science Learning Centre
Course code	NAC12159
Ideal for	secondary teachers, post-16 lecturers and further education lecturers
Age	11 - 19
Cost	£996 + VAT (covers tuition in Edinburgh and York, and includes accommodation, meals and travel to the Royal Observatory whilst in Edinburgh)
ENTHUSE Award	£1,676 see back page for details

▶ Book your place now at www.slcs.ac.uk/go/nat/dnac12159



The National Science Learning Centre is offering this exceptional three day learning experience at The Royal Observatory, Edinburgh followed by a one day course at the National Science Learning Centre in York. Participants will need to make their own travel arrangements to and from Edinburgh and York.

This experience is eligible for an ENTHUSE Award of £1,676 which will be paid after completion of the full course (at The Royal Observatory, Edinburgh visit and the follow-up day at the National Science Learning Centre).

Teachers, teaching assistants and technicians from state funded schools, academies or colleges in the UK may be eligible to receive an ENTHUSE Award to contribute towards the cost of participation on National Science Learning Centre courses.

Note: the bursary will be paid directly to the school on completion of the course and the school is asked to ensure that any expenses incurred by the delegate are met from the ENTHUSE Award allowance.

For more information about the ENTHUSE Award please visit www.slcs.ac.uk/enthuseaward

Myscience is an initiative of the White Rose University Consortium (comprising the Universities of Leeds, Sheffield and York) and Sheffield Hallam University. Myscience manages the national network of Science Learning Centres, the National STEM Centre and other programmes supporting STEM education.

The national network of Science Learning Centres is a joint initiative by the Department for Education and the Wellcome Trust. www.sciencelearningcentres.org.uk

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