



# SPACE & ITS MYSTERIES

## Secondary Science Teachers

### Aims and Scope:

This course is designed to meet the new objectives for the teaching of space science and manned space flight.

Previous research has revealed that whilst pupils enjoy the space elements of the science curriculum, their teachers feel less confident in teaching about space. 'Space and its Mysteries' includes full teacher notes to enable teachers with little or no previous space knowledge to deliver effective and motivating lessons.

The training course ensures that teachers:

- understand the curriculum
- can carry out the practical and investigative activities
- gain background knowledge of space and space exploration
- are confident with active learning strategies
- become a part of a supportive network of teachers

The Space & Its Mysteries CD-ROM and materials offer a complete 18-lesson course providing: lecture plans, instructions and useful insights, videos, worksheets, research materials, activity plans, construction details for exciting models, and fascinating interactive materials.

### Highlights:

- ✦ Perform activities to understand the size of the universe
- ✦ Learn about the forces and energy involved in space flight
- ✦ Build your own rockets
- ✦ Construct and test a Mars Lander
- ✦ Watch exciting videos of space flight, life in space and rocketry
- ✦ Research the solar system and the benefits of space
- ✦ Test the effects of a vacuum on a marshmallow astronaut
- ✦ Design a life in space
- ✦ Learn how a black hole works and discover how we 'see' them

And much more...



### Lesson outlines:

- |  |   |
|--|---|
| ✦ The Mysteries of Space               | ✦ Mars Lander   |
| ✦ Solar System - Scale & Size          | ✦ Benefits of Space Exploration                           |
| ✦ Discover the Solar System            | ✦ Hostile Space   |
| ✦ Comets & Asteroids                   | ✦ Spacecraft as Survival Capsules                         |
| ✦ Journey Through Our Awesome Universe | ✦ Long Duration Space Flight                              |
| ✦ Mass/Weight & Gravity                | ✦ Origins of the Universe                                 |
| ✦ Rockets - Newton's Laws              | ✦ Black Holes   |
| ✦ Fizzy Pop Rockets                    | ✦ Search for Extraterrestrial Life                        |
| ✦ Compressed Air Rockets               | ✦ Future of Space Exploration - Where do we go from here? |
| ✦ Exploring the Solar System           |   |

### Price:

The cost of the training day is:

£195 + VAT which includes the Space & its Mysteries CD-ROM

An optional resources kit is available at £95 + VAT

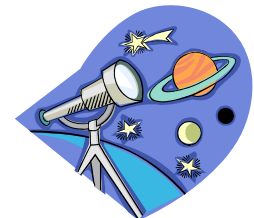
### Further Information:

For further information and to answer questions, either visit: [www.isset.org](http://www.isset.org)

Or contact: Julie Woodcock, ISSET

Tel: 02920 710295

E-mail: [admin@isset.org](mailto:admin@isset.org)



## Application Form

TO APPLY PLEASE COMPLETE THE FOLLOWING APPLICATION FORM AND RETURN IT TO ISSET:  
**ISSET, 5 Herbert Terrace, Penarth, CF64 2AH**

**Tel:** 02920 710295 **Fax:** 02920 706786

**E-mail:** [admin@isset.org](mailto:admin@isset.org) **Website:** [www.isset.org](http://www.isset.org)

Course Title	<b>SPACE AND ITS MYSTERIES</b>
Date & location of course	
Name(s)	
School	
School Address	
Telephone	
Fax	
E-mail	
Cost	<b>£ 195(+VAT)</b>
Optional resources pack requested at £95 + VAT	(please delete as appropriate) YES / NO
Signature	
Date	

Upon receipt of your application form a place will be reserved for you and bookings will be made on your behalf. Further details will be sent together with an invoice. Non-refundable costs will be incurred which cannot be returned in the event of a cancellation on your part. ISSET Ltd reserves the right to cancel or postpone the course if there are insufficient delegate numbers to make the course viable. Signature of this document demonstrates your understanding and acknowledgement of these conditions.