

A group of four students in school uniforms are seated inside a submarine, looking upwards at a large, illuminated underwater scene. The scene is filled with various marine life, including a large stingray, several sharks, and many smaller fish swimming in a blue, sunlit environment. The students are wearing dark blazers with a circular logo on the sleeve and green and white striped ties. The overall atmosphere is educational and immersive.

# Education programmes with bite!

KS3, KS4 and  
Post 16 Students  
2011-2012

THE DEEP

THE WORLD'S ONLY SUBMARIUM

Over 70% of the world's surface is water

## Bring education to life at The Deep!

The average depth of the ocean is more than 2.5 miles

Welcome to The Deep, Hull's award-winning aquarium, dedicated to the enjoyment and understanding of the world's oceans.

The Deep blends stunning marine life with fun interactives and is home to over 3,500 fish including spectacular sharks and rays. Over the last year, a record breaking 35,000 students have taken part in workshops and presentations at The Deep's learning centre.

Exciting new exhibitions at The Deep

With two exciting new freshwater exhibits now open; **Living Rivers** and **Amazon Flooded Forest**, now is the perfect time to visit!

The Amazon Flooded Forest is a diverse yet vulnerable habitat and our display features turtles, silver arowana, ripsaw catfish and pacu to name but a few.

Living Rivers looks at five of the world's major river systems and the threats they face. It features red bellied piranha, emerald tree boa, blue poison arrow frogs and a colony of leaf-cutter ants.

We have three in-house teachers who deliver our educational workshops. They are carefully structured and closely referenced to the National Curriculum, making them an essential addition to your school year.

NEW!

Enjoy!

Journey through time...

Imagine

Create

## Our Workshops Key Stage 3

Science:

### Don't Get Caught in the Web

What really goes on around the coral reef? Help us to manage our coral reef species by discovering the feeding relationships between them. This multi-activity workshop allows KS3 students to study predator-prey relationships and to construct a functioning food web.

Science:

### Super Slime!

Find out how animals use slime to help them survive, then make your own and test its properties for yourself. This practical session focuses on scientific enquiry and links with science work on both chemical reactions and animal adaptation. For younger or less able KS3 pupils, the KS2 'Slime Time' workshop covers the same themes at a more basic level.

Science:

### Interplanetary Journey (using the Magic Globe)

This hands-on workshop involves an interactive journey through our solar system using NASA images on a fantastic 3D revolving globe, considering the challenges of living on each planet. Then, using scale models of the planets, pupils will organise themselves to create our solar system.

Geography & Citizenship:

### Why Keep the Coral?

What is happening to the world's coral reefs? Find out why we need to protect this valuable resource and what we can do as individuals to contribute to its conservation. In this multi-activity workshop, KS3 students can explore the idea of sustainable development in the context of a coral reef environment.

Maths:

### Deep Decisions

Spend, spend, spend! Can you buy the right animals to create wonderful display tanks while keeping to a fixed budget? Enjoy being an aquarist and doing real-life maths at The Deep, using data handling and calculation to create your display.

Science:

### Great White Mystery

Do we have great white sharks in our waters? Some people think so! Use your investigative skills to solve the mystery, drawing your conclusions from a range of real-life evidence. In this multi-activity workshop, students will study real sharks' teeth plus photographs of bite marks, sightings and authentic reports from newspaper articles.

Geography & Science:

### Volcanoes and Igneous Rocks

(using the Magic Globe)

This stimulating presentation uses a 3D revolving globe, where pupils will gain an overview of volcanic activity both on land and underwater. Two short practical activities enable pupils to learn about floating igneous rocks and volcanic eruptions.

Art & Design:

### Underwater Art

Create and sketch a coral garden and draw incredible creatures. Extend your skills by practising imaginative drawing and drawing from life in this multi-activity workshop. Our collection includes replica corals, spider crab and lobster casts, large tropical shells and sharks' teeth and jaw. Our artefacts have been donated by past collectors or has been ethically sourced in-line with our principles as a conservation charity.

## Our workshops Key Stage 4 & Post 16

Science:

### Survive and Prosper

Dive into The Deep to explore the weird and wonderful adaptations of its marine animals. This fascinating and wide ranging presentation looks at adaptations that help various species to survive and prosper in the habitats of The Deep.

Science:

### Investigating Science at Work

Discover the science behind The Deep. This presentation covers the scientific work undertaken at The Deep and in particular the water filtration system. We look at the roles and qualifications of our science staff, ICT in the organisation, health and safety requirements, commercial constraints and the impact of The Deep on the local community. A 56 page document is available (on disc) to accompany this presentation at a cost of £10.

Science: Higher level GCSE/AS/  
A level/Undergraduate

### Observing Animal Behaviour

Using the downloadable worksheet from The Deep's web site, this innovative and stimulating workshop will explore different methods of behaviour sampling. Students will set up and use a hydrophone to observe the communication behaviours of the animals that live in the Lagoon of Light. This challenging workshop requires students to study duration, frequency, accuracy and the reliability of data.

Geography & Citizenship:

### Threats to the Marine Environment

Our marine environment has evolved over millions of years into a finely balanced ecosystem. Now it is threatened by the dominance of one terrestrial species – humans! In this presentation you can find out just how we affect the natural balance of the oceans and what we do as individuals to contribute to marine conservation.

Art & Design:

### Drawing from Nature

The Learning Centre is home to a varied collection of marine artefacts. We can make these available for observation drawing and can, if you wish, begin this 40 minute session with a brief talk about them. These objects include coral skeletons and replicas, crab and lobster casts, large tropical shells, sharks' teeth, jawbones and egg cases. Please note that the bulk of these interesting pieces have been donated by past collectors. All the other items have been ethically sourced in-line with our principles as a conservation charity.

Science:

### Unbelievable Slime!

Discuss the different uses of slime which help animals to survive, both on land and underwater. Investigate the reaction involved in making slime, followed by a fun practical to make and test your own. Finally, try to relate the properties of slime to the structure of slime.

Maths:

### Fantastic Displays

Be an aquarist for a day and create amazing display tanks with the right animals using a fixed budget. Decide on size, temperature and which animals to put in them, then make sure your tanks aren't too crowded! This workshop will help to improve your data handling skills as well as challenge your ability to calculate. You will be working with real information from The Deep.

### Business and Vocational Training Marketing

This presentation looks at The Deep as a business, examining its successful marketing. Covering market research, market segmentation, promotional methods, the marketing mix and features the Slime! marketing campaign.

### Customer Care

Using The Deep as an example, we examine types of customers and their needs, good and bad customer service and how we communicate with customers. Our complaint handling procedure is discussed as is the importance of effective staff recruitment and selection procedure.

### Additional Presentations

We can also offer presentations on other subjects including ICT, Business, Travel and Tourism (Attraction Management) and Education and Childcare (Learning at The Deep).

Understand  
the world  
around us

Enjoy!



"I would like to extend my thanks to everyone at The Deep for making our visit so very informative and enjoyable."  
Janina Simpson,  
South Hunsley School

"Your staff were incredibly professional and dealt with our group of German and English students extremely well. All our students thoroughly enjoyed the experience."  
Leigh Downie, Sir John Nelfthorpe School

Create

## Bookings and General Information

We suggest you allow at least three hours for your visit, which includes a workshop and entry into the visitor attraction. If you wish to include lunch and a visit to our gift shop, please add extra time.

The price of £5.00\* per pupil includes:

- Free teacher preview visit (one teacher per class visiting)
- Downloadable information and activity trails at [www.thedeep.co.uk](http://www.thedeep.co.uk)
- Free on-site coach parking
- Entry into The Deep
- Your choice of education workshop
- Packed lunch area and secure bag storage (by arrangement)
- Free teacher places of 1:6 and additional discounted adult places cost £7.50 per person
- You can also buy goody bags at an additional cost of £2.70 per pupil

\*Please note that the price will be £6.00 per pupil in June and July 2012

\*Bookings of less than 12 pupils will incur a minimum payment of £60.00

We conduct our own risk assessments which can be downloaded from [www.thedeep.co.uk](http://www.thedeep.co.uk), but we do encourage teachers to make a preview visit before bringing a group.

### Did you know The Deep does video conferencing for KS3?

Experience The Deep without leaving the classroom! We have a variety of sessions available that include presentations on the animals that live here followed by Q&A's. Video conferencing takes place at 9.30am during term time. See The Deep's website for more details at [www.thedeep.co.uk](http://www.thedeep.co.uk).

## How to Book

Booking an educational visit to The Deep is simple. Call the Education Team on 01482 381000 (Option 3) to check availability and to book your visit. Phone lines are open 9am to 5pm Monday to Saturday.

Once you've made a provisional booking over the phone, we will fax or email you a booking form to complete. When we have received this, we will write to you confirming your visit, costs and itinerary.

No deposit is required, but we ask you to bring payment on the day for the number in your party using cash, debit card, cheque or credit card. Please note that we DO NOT invoice for school/college trips.

## Access

The Deep aims to provide facilities accessible for all visitors. Full details are available from [www.thedeep.co.uk](http://www.thedeep.co.uk) or call 01482 381000 (Option 3) to discuss any special requirements.

## The Deep department Store

A wide variety of marine themed gifts are available from our large gift shop.

## Date for your diary!

### National Science and Engineering Week

Monday 5 March – Friday 16 March 2012

Due to the popularity of this event, we will have TWO weeks of challenging and enjoyable activities to raise awareness, spark enthusiasm and celebrate science, engineering and technology. Talks, tours and hands-on workshops show how The Deep uses science in everything we do.



# How to find us!



## The Deep isn't far away...

- York - 1 hour
- Leeds - 1 hour 10 mins
- Rotherham - 1 hour 15 mins
- Sheffield - 1 hour
- Lincoln - 1 hour
- Bradford - 1 hour 25 mins

## Contact information

- Tel - 01482 381000 (option 3)
- Fax - 01482 381018
- Email - [info@thedeep.co.uk](mailto:info@thedeep.co.uk)
- Web - [www.thedeep.co.uk](http://www.thedeep.co.uk)

The Education Team  
The Deep  
Tower Street, Hull  
HU1 4DP

**Sat Nav -**  
Enter Tower Street, Hull



enjoyEngland  
Awards for Excellence 2009  
SILVER WINNER

Quality Badge awarded by



**BIAZA**  
WORKING TOGETHER  
FOR WILDLIFE



Proud to be part of local life