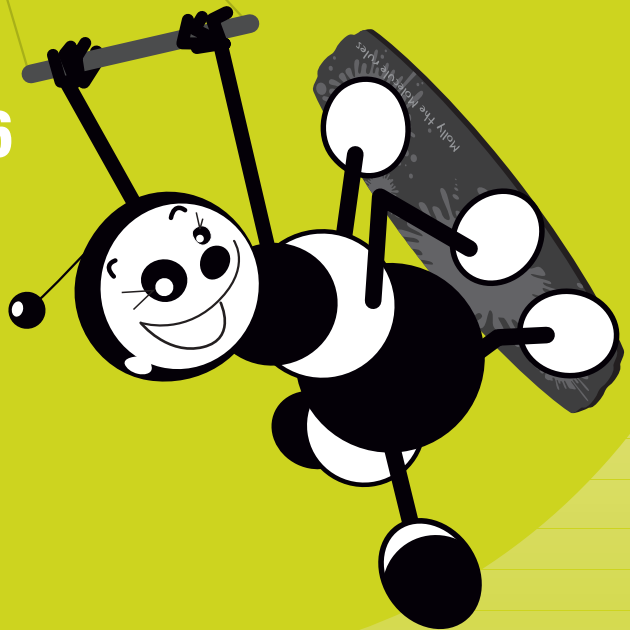




# Newcastle Science Festival

Schools Events  
11-19 March 2006



This project received  
funding from One NorthEast

[www.newcastlesciencefestival.co.uk](http://www.newcastlesciencefestival.co.uk)

## Schools Events

### Theatre of Science

CENTRE FOR LIFE

**Monday 13 March** Event starts at 11am

Duration: One hour. Booking required.

Suitable for Key Stages 4 and 5. **FREE**

Science personalities, Prof. Richard Wiseman and Dr. Simon Singh bring their jaw-dropping science show to the Newcastle Science Festival. The acclaimed duo will generate six foot long bolts of electricity between two specially constructed transformer coils. As a finale, one of the performers will put their life at risk by entering a cage which will absorb the full force of the potentially lethal million volt strikes! This is the only chance for North East schools to enjoy this amazing science show that has had sell-out runs and rave reviews in London, Dublin and Edinburgh.

**For further details and to book please call: (0191) 243 8292 or email: [bookings@life.org.uk](mailto:bookings@life.org.uk)**



### Time and Textiles: Survival and Decay

SEGEDUNUM ROMAN FORT, BATHS & MUSEUM

**Monday 13 to Friday 17 March** 10am and 1pm

Duration: 1 hour 30 minutes. Booking required. Suitable for Key Stage 2.

**£25 per session plus £1.50 per pupil. One adult free for every six children booked.**

*For one week only!* Science workshops with textile archaeologist, Philippa Henry. Find out about micro-organisms and natural fibres, focusing on which textiles decay and which survive. Discover the conditions for survival and the evidence which exists in the archaeological record.

**For further details and to book please call: (0191) 236 9347 or email: [maggie.birchall@twmuseums.org.uk](mailto:maggie.birchall@twmuseums.org.uk)**

### The Colour Lab

CENTRE FOR LIFE

**Workshops available weekdays throughout March.**

Duration: One hour. Booking required. Suitable for Early Years (ages 3 - 5)

Key Stages 1, 2, 3, 4 and Post 16 groups. **FREE**

Exciting curriculum-linked science workshops exploring the science of colour. Each workshop will engage pupils in a variety of hands-on activities that draw upon elements of physics, chemistry, biology, and psychology. Pupils will have the use of apparatus not normally found in schools with the aim of stimulating creativity and enquiry amongst students of all ages.

**In conjunction with the Newcastle Science Festival, all schools participating in the Colour Lab can also combine it with a FREE visit to the Centre for Life, throughout March.**

**For further details and to book please call (0191) 243 8223 or email: [bookings@life.org.uk](mailto:bookings@life.org.uk)**



## Feel the Energy

DISCOVERY MUSEUM

**Monday 13 to Friday 17 March**

10am, 11am, 12.30pm and 1.30pm

Duration: 50 minutes. Booking required. Suitable for Key Stage 2. **FREE**

The Sustainable Cities Research Institute will be running a series of workshops on the theme of climate change and energy sustainability alongside a temporary exhibition. Sessions will include hands-on demonstrations for pupils.

**For further details and to book please call: (0191) 277 2174 or (0191) 277 2181  
email: [discovery@twmuseums.org.uk](mailto:discovery@twmuseums.org.uk)**



## Solar and Plant Energy Workshops

DISCOVERY MUSEUM

**Monday 13 to Friday 17 March** 10.00am, 11.00am, 12.30pm and 1.30pm

Duration: 50 minutes. Booking required. Suitable for Key Stage 2. **FREE**

The Energy Saving Trust, will be giving pupils a chance to use fun and exciting renewable energy demonstration kits. These kits are working examples of how renewable energy works with a particular focus on solar energy. The workshops involve a brief explanation followed by an interactive talk.

**For further details and to book please call: (0191) 277 2174 or (0191) 277 2181  
email: [discovery@twmuseums.org.uk](mailto:discovery@twmuseums.org.uk)**



## Time Travellers, History in Action: Ancient Egypt

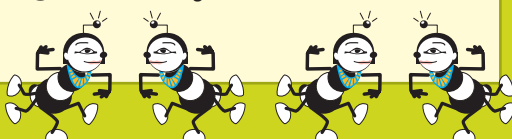
THE HANCOCK MUSEUM

**Monday 13 to Friday 17 March** 10am

Duration: 4 hours. Booking required. Suitable for Key Stage 2. **£3.90 per pupil.**

Visit the Land of the Pharaohs display and meet an Ancient Egyptian farmer and princess, in these fantastic living history events.

**For further details or to book please call: (0191) 222 6865 or  
email: [gillian.mason@twmuseums.org.uk](mailto:gillian.mason@twmuseums.org.uk)**



## Electricity and Wind Tunnels Science Show

DISCOVERY MUSEUM

**Monday 13 to Friday 17 March** 10.00am, 11.00am, 12.30pm and 1.30pm

Duration: 50 minutes. Booking required. Suitable for Key Stage 2. **FREE**

The Associates of the Discovery Museum will be delivering fun, hands-on workshops exploring electricity, how it is made and its uses. Pupils will also investigate how wind tunnels work.

**For further details and to book please call: (0191) 277 2174 or (0191) 277 2181 email: [discovery@twmuseums.org.uk](mailto:discovery@twmuseums.org.uk)**



## Wet Noise: Accessing the Water Environment Through Music

UNIVERSITY OF NEWCASTLE King's Hall, Armstrong Building

**Tuesday 14 March** Science displays between 10.30am and 3.30pm. Lunchtime Concert at 1.10pm

Duration: Science displays 1 hour 30 minutes. Lunchtime concert 50 minutes.

Booking required for science displays. Lunchtime concert is a drop in event. Suitable for Key Stage 2. **FREE**

World Water Day will be celebrated with a lunchtime concert of folk music on a water theme, accompanied by a science display on the regional water environment, including a virtual reality flood model. The music will be performed by folk music students from Newcastle University, including traditional music and specially-written material. Audience participation is expected!

**For further information and to book please call: (0191) 222 6093 or email [J.C.Bathurst@ncl.ac.uk](mailto:J.C.Bathurst@ncl.ac.uk)**



## Sounds Unfamiliar?

UNIVERSITY OF NEWCASTLE King's Hall, Armstrong Building

**Thursday 16 March** 2.30pm

Duration: 1 hour 30 minutes. Suitable for Post 16 students. **FREE**

The workshop will examine the physical changes in both stringed and keyboard instruments since the late 18th Century. This will be demonstrated using period instruments by 'The Music Collection', who will also perform later on in an evening concert. The workshop is aimed at schools and FE/HE students, in conjunction with the new Centre for Excellence in Teaching and Learning for Music and Inclusivity.

**For further information about the workshop and concert please call: (0191) 222 8463 or email: [o.h.cameron@ncl.ac.uk](mailto:o.h.cameron@ncl.ac.uk)**



## The Science of Light and Colour: How We See Paintings

LAING ART GALLERY AND SHIPLEY ART GALLERY

**Monday 13 to Wednesday 15 March** (at *The Shipley*) **Thursday 16 and Friday 17 March** (at *The Laing*) 10am and 1pm

Duration: 2 hours. Booking required. Suitable for Key Stages 2 and 3.

**FREE**

Paintings offer an unusual and engaging way of looking at this topic. What is happening when we look at a painting? How is a painting built up? How has the artist tried to fool the brain into seeing shapes and shadows on a flat surface? The session involves demonstrations, a handling session and a group experiment. This workshop is linked to Science Unit 6F – How we see things and Unit 8K - Light.

**For further details and to book please call: (0191) 211 2104 or email: [bruce.davenport@twmuseums.org.uk](mailto:bruce.davenport@twmuseums.org.uk)**



## Music, Art and Climate Change

UNIVERSITY OF NEWCASTLE King's Hall, Armstrong Building

**Friday 17 March** 1.10pm

Duration: 50 minutes. Drop in event. Suitable for Post sixteen and HE students. **FREE**

A public presentation of new works created by music and fine art students from universities in the North East, in response to issues of climate change. The concert is introduced by the composers/artists, explaining how they have been influenced by environmental issues in creating new works of art. This event is running in collaboration with Helix Arts.

**For further information please call: (0191) 222 6093 or email: [a.m.lewis@ncl.ac.uk](mailto:a.m.lewis@ncl.ac.uk)**

## Science Notes 2: The Sound of Colour

THE SAGE GATESHEAD

**Monday 13, Tuesday 14, Friday 17 and Monday 20 March**

Events start at 9.30am and 12.30pm

Duration: 2.5 hours. Booking required.

Suitable for Key Stages 1 and 2. **FREE**

Where does light come from and how do we see colour? Learn about light, pass the photon and become a light receptor. Make music inspired by the atmosphere of colour in this composition project. Pupils will explore the dynamics of colour in a multi-sensory environment and create their own light music.

**For further details and to book please call: (0191) 443 4628 or email: [caroline.wood@thesagegateshead.org](mailto:caroline.wood@thesagegateshead.org)**



**CENTRE FOR LIFE**

Times Square, Newcastle upon Tyne NE1 4EP  
 T: (0191) 243 8210  
 E: [info@life.org.uk](mailto:info@life.org.uk)  
[www.lifesciencecentre.org.uk](http://www.lifesciencecentre.org.uk)

Life is situated in Newcastle City Centre, next to Central Station for public transport links. Parking is available on-site for school groups.

**DISCOVERY MUSEUM**

Blandford Square, Newcastle upon Tyne NE1 4JA  
 T: (0191) 232 6789  
 E: [discovery@twmuseums.org.uk](mailto:discovery@twmuseums.org.uk)  
[www.twmuseums.org.uk/discovery](http://www.twmuseums.org.uk/discovery)

Discovery Museum is a short walk from Newcastle Central Station for Metro, Bus and Rail connections. Limited 'Pay and Display' parking is available directly outside the museum.

**HANCOCK MUSEUM**

Barras Bridge, Newcastle upon Tyne NE2 4PT  
 T: (0191) 222 6765  
 E: [hancock.museum@ncl.ac.uk](mailto:hancock.museum@ncl.ac.uk)  
[www.twmuseums.org.uk/hancock](http://www.twmuseums.org.uk/hancock)

The Hancock Museum is a short walk from Haymarket Metro Station and is part of the University of Newcastle Campus on Claremont Road.

**SEGEDUNUM ROMAN FORT, BATHS & MUSEUM**

Buddle Street, Wallsend NE28 6HR  
 T: (0191) 236 9347  
 E: [segedunum@twmuseums.org.uk](mailto:segedunum@twmuseums.org.uk)  
[www.twmuseums.org.uk/segedunum](http://www.twmuseums.org.uk/segedunum)

The fort is a three minute walk from Wallsend Metro and Bus Station. From Newcastle take the Metro to the Coast via Wallsend.

**THE SAGE GATESHEAD**

St Mary's Square, Gateshead Quays NE8 2JR  
 T: (0191) 443 4666  
 E: [caroline.wood@thesagegateshead.org](mailto:caroline.wood@thesagegateshead.org)  
[www.thesagegateshead.org](http://www.thesagegateshead.org)

**UNIVERSITY OF NEWCASTLE**

King's Hall, Armstrong Building  
 Newcastle upon Tyne NE1 7RU  
 T: (0191) 222 8463  
 E: [o.h.cameron@ncl.ac.uk](mailto:o.h.cameron@ncl.ac.uk)  
[www.ncl.ac.uk/sacs/about/music/events.htm](http://www.ncl.ac.uk/sacs/about/music/events.htm)

**LAING ART GALLERY**

New Bridge Street, Newcastle upon Tyne NE1 8AG  
 T: (0191) 232 7734  
 E: [laing@twmuseums.org.uk](mailto:laing@twmuseums.org.uk)  
[www.twmuseums.org.uk/laing](http://www.twmuseums.org.uk/laing)

**SHIPLEY ART GALLERY**

Prince Consort Road, Gateshead NE8 4JB  
 T: (0191) 477 1495  
 E: [shipley@twmuseums.org.uk](mailto:shipley@twmuseums.org.uk)  
[www.twmuseums.org.uk/shipley](http://www.twmuseums.org.uk/shipley)

**WHAT ELSE IS ON?**

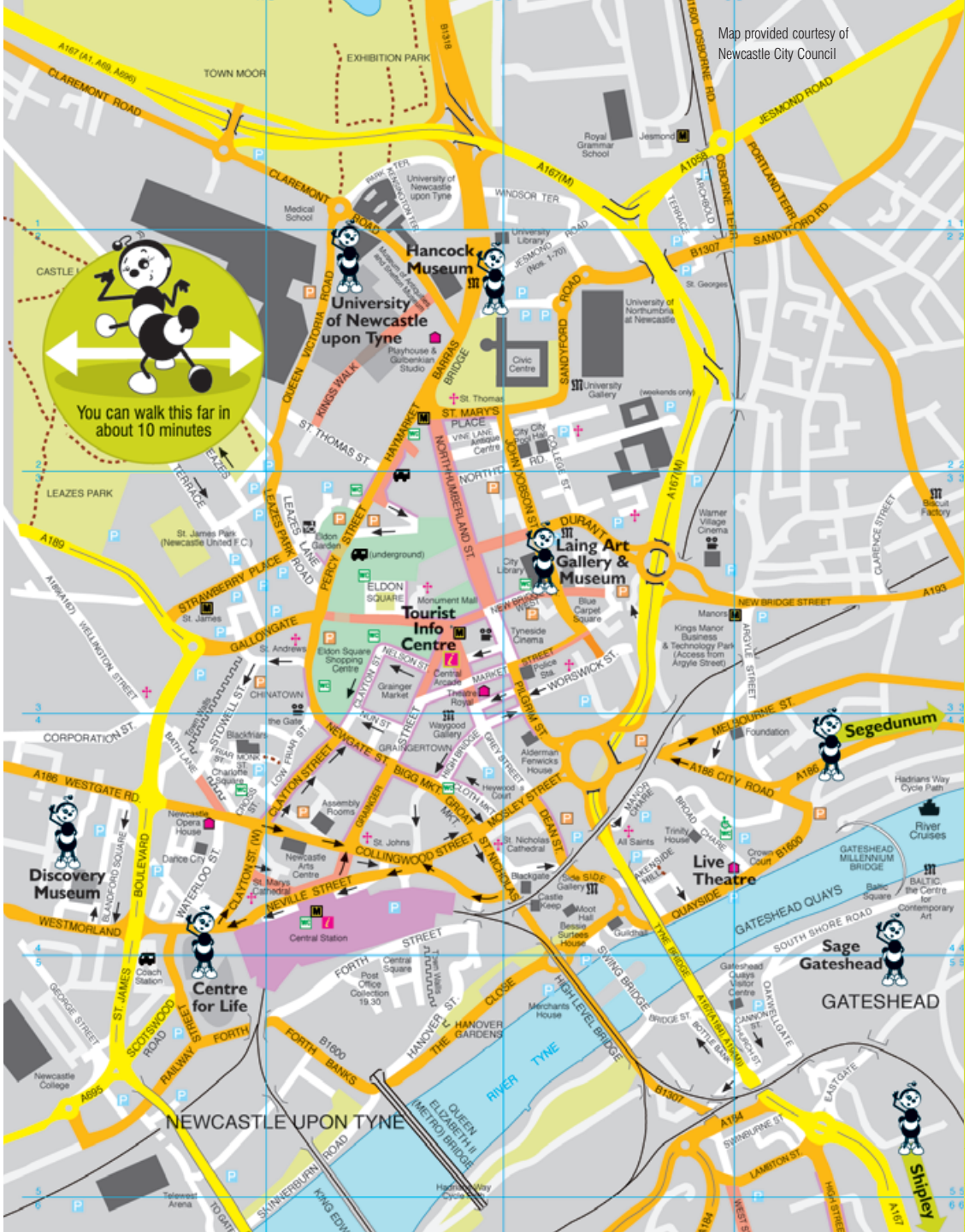
Science Alive is a series of events aimed at Year 9 pupils across the region, between Tuesday 14 - Friday 17 March 2006 at Coach Lane Campus, Northumbria University. Please contact Dave Eason on (0191) 227 4265 or [david.eason@unn.ac.uk](mailto:david.eason@unn.ac.uk) for more details.

The Newcastle Science Festival offers a full public programme of events, in addition to those outlined in this leaflet. Anyone who is interested in exploring and discovering more about science can enjoy lectures, debates, theatre shows, workshops and many more activities. For further information or to request the general Newcastle Science Festival guide, please call: **(0191) 243 8292**, email:

[info@newcastlesciencefestival.co.uk](mailto:info@newcastlesciencefestival.co.uk) or visit [www.newcastlesciencefestival.co.uk](http://www.newcastlesciencefestival.co.uk)

# Venues and Locations

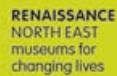
Map provided courtesy of Newcastle City Council





This project received funding from One NorthEast

Partners involved in schools projects:



All information correct at the time of going to print but may be subject to change. Further details may also be added to the events programme. Please check press or the website for details: [www.newcastlesciencefestival.co.uk](http://www.newcastlesciencefestival.co.uk)

Designed by Julia Dobson Design and Illustration.