

The BA Festival of science comes to Greater Manchester – University of Salford, 8-12 September 2003. To find out what's on and to book telephone 0161 295 5678 or visit us online at www.the-ba.net/festivalofscience

and much more...



Class act!

Science on Sunday has gathered together the very best of schools science projects from all over Manchester and the North West. All these projects have won a CREST award from the BA. You can find them in the Goldstone Room, which is on the first floor of the Main Building (building 1 in your site guide).

The Liverpool Physics Olympics challenge

Outside, in front of the Power Hall
(Building 4 in your site guide)

Try your hand at a number of fun challenges in a "Scientific It's a Knockout" involving ingenuity, skill, team-working, problem-solving and just a pinch of physics. Challenges include: Magic Mountain, Balloon Kebabs and the Laser Maze.

...and much, much more!

There's so much else for the whole family to enjoy at Science on Sunday. There are things to do and see on all three floors of the Museum's Main Building, including:

- **Make it molecular**
Make a molecule, Invent a molecule, Name a molecule, Wear a molecule, Have your picture taken with a molecule...
- **Robot football**
- **Giant bubbles**
- **Say 'Cheese!' with Dr Gordon Zola**
- **The magic of magnets**
... and many more

The Museum of Science and Industry in Manchester's regular programme of public events will be running too, with train rides, planetarium shows and much more besides. Ask for details at the Museum's Information desk.



the BA festival of science

Science on Sunday



Programme

Sunday 7 September 2003

The Museum of Science and Industry in Manchester

www.the-ba.net

Welcome to Science on Sunday.

This event has been organised by the BA, the Northwest Science Alliance and the Museum of Science and Industry in Manchester to celebrate the start of the BA Festival of Science, which is taking place this week at the University of Salford.

There is a host of activities, workshops and shows for you to choose from. All the events at Science on Sunday are free. Some events have a limited number of places – pick up your tickets for these at the Science on Sunday desk on the ground floor of the Main Building (building 1). Science on Sunday stewards, wearing yellow T shirts will be around on the site all day to help you with any questions you have.

We hope you have a wonderful day!

Programme

Shows

All shows are in the Cardwell Auditorium, on the first floor of the Main Building (building 1 in your site guide). Places are limited, so pick up your free tickets from the Science on Sunday information desk.

All shows will be preceded by **'Shaken not stirred'**, a short demonstration of the swarm of earthquakes that hit Manchester last year, presented by pupils from Urmston Grammar School. 'Shaken not stirred' won second prize in last year's Paperclip Physics competition organised by the Institute of Physics.

10:30am **Playing with fire**

Adrian Bull demonstrates the science behind breathing and eating fire. Followed at 11.10 by a live fire show outside next to the Power Hall.

11:00am **Dramatic genes**

Year 6 and 7 pupils from the Oldham gifted and talented summer school with a presentation on the science of life itself.



12:00pm **My life and work** Sir Isaac Newton

1:30pm **Playing with fire**

A repeat of this morning's show, in case you missed it. Followed at 2:15pm by a live fire show outside next to the Power Hall.

2:30pm **Cool crystals for hot science**

Tony Buckley from the world famous Daresbury Laboratory shows off the wonders of extreme cold.

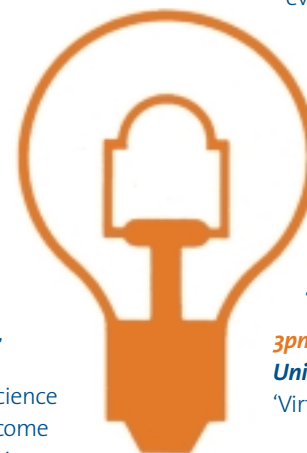
3:30pm **John Salthouse's Son et Lumière**

John Salthouse is one of the country's best and most experienced science performers. Witness some of the most dramatic chemistry you're ever likely to see!

Café Scientifique

The Restaurant, top floor, Main Building.

Café Scientifique is a place where, for the price of a cup of coffee or a glass of wine, anyone can come to explore the latest ideas in science and technology. Each speaker gives a short, informal talk, after which there will be a chance to ask questions. Science on Sunday is proud to welcome Chris Packham to talk at this



event, which is generously sponsored by AstraZeneca.

11 am and 12 noon

Chris Packham, naturalist, author and broadcaster
'Panda burgers' and 'The champions of the coal age'

2pm Paul O'Brien, University of Manchester
'Nano things and footballs'

3pm Terry Hewitt, University of Manchester
'Virtual reality'

AstraZeneca 

(Please note that tables in the restaurant are reserved for those eating or drinking items purchased in the Restaurant)

Workshops

These workshops are all taking place in the classrooms on the first floor of the Main Building. Follow the signs to the activity of your choice. Check below to see if you need to pick up a ticket from the Science on Sunday info desk.

All Day The fossils roadshow

Take your fossils along to learn all about the animals that left them. Palaeontologists from London's Natural History Museum will be on hand to identify and date your fossils.

All Day Geology rocks!

Scientists from the Open University help you make and measure a mini earthquake.

10:30am, 11:30am, 1pm, 2pm and 3pm

Build a buggy

Build your own electric buggy with help from Salford University scientists. At the end of the session, pit your buggies against each other in a frenzied five metre race to win a prize. Children under 11 will require adult help. Pick up your free tickets from the Science on Sunday info desk.

11am and 1:30pm Be an Archaeologist

Digging the dirt with the experts from Chester's Grosvenor Museum. Pick up your free tickets from the Science on Sunday info desk.

12:30pm and 3:30pm Chocolate mystery

Staff from Daresbury Laboratory help you use forensic science to solve a devious chocolatey crime. Pick up your free tickets from the Science on Sunday info desk.

