

Where do rainbows come from?

**Target Group:** Years 4 - 6  
**Student numbers:** 30  
**Venue:** Imperial College London, Reach Out Lab  
**Dates:** Monday 2<sup>nd</sup> - Wednesday 4<sup>th</sup> August 2010  
**Times:** 10.00am - 3.15pm each day  
**Cost:** £159 per student



**Course aims**

Raise aspirations and attainment in science and maths and provide exciting investigation of *How Science Works!*

**Objectives**

- Provide hands on experience of problem solving
- Demonstrate real world examples of Science, Technology, Engineering and Maths (STEM)
- Inspire confidence and creativity in STEM
- Provide a set of team investigations which develop scientific enquiry skills

**Activities**

Children will take part in a range of exciting, hands-on science and maths activities led by Imperial College science and maths graduates. Activities will be large scale demonstrations, hands-on investigations and design and build activities for children to investigate how things work in the world around them, such as:

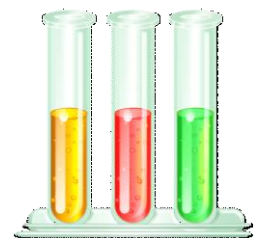
**Biology:** *Is yeast alive?, Who am I?, Smell vs Taste*

**Chemistry:** *Colourful Corrosives, Bouncing Balls, States of Matter, Milk Plastic*

**Physics:** *Making rainbows, Light & Sound, Space*

**Maths:** *Never Ending Towers, Smoke Rings*

Where is DNA?  
What does it do?



How does yeast help bread to rise?



**How do I get involved?**

- Places are allocated on a 'first come, first served' basis
- For more information or to book this course please contact Ella Lawson
- E-mail: [events@exscitec.com](mailto:events@exscitec.com) Tel: 01730 235654
- Or Write to: Exscitec House, The Avenue, Petersfield GU31 4JQ

What are acids and alkalis?

