



Science, Technology, Engineering & Maths

Department of Science courses

- AS/A Level Biology
- AS/A Level Chemistry
- AS/A Level Electronics
- AS/A Level Physics
- BTEC Level 3 Diploma in Applied Science (Forensics)
- BTEC Level 3 Certificate/ Subsidiary Diploma in Applied Science (Medical)
- Level 2 BTEC in Science

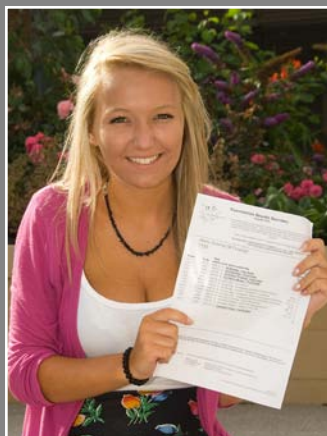
Department of Mathematics courses

- AS/A Level Mathematics
- AS/A Level Further Mathematics

For full details of these courses and for entry requirements please see our Prospectus or visit our website www.blackpoolsixth.ac.uk

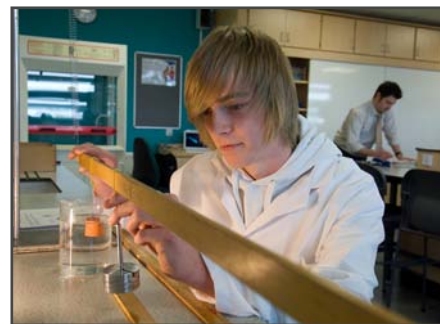
Romy Ni Chleirigh (pictured right, formerly of Millfield Science and Performing Arts College) achieved an A*, 3 A grades and a B in August 2010.

She currently studies Medicine at the University of Birmingham.



Blackpool Sixth offers outstanding opportunities for students interested in Science, Technology, Engineering and Mathematics.

Science, Technology, Engineering and Maths (STEM) are major growth areas for employment and are also some of the highest paid job sectors. Our courses in these areas provide students with specialist teaching and fantastic facilities to help them achieve and progress to excellent higher education courses and careers.



First Class Facilities

The Sixth Form boasts first class facilities and state-of-the-art equipment in areas Science and Maths.

Our Wyre building opened in August 2008 provides state-of-the-art teaching facilities for Science. Each laboratory has the latest in Interactive Learning Technologies and equipment. The entire building 'intelligently' monitors temperature, lighting and carbon dioxide levels and then manages its environment to provide the best conditions for learning as well as reducing energy consumption.



The old Science building (Brock) has been completely refurbished internally to provide high quality classrooms for the Department of Mathematics.

Gordon Pal (right, formerly of Hodgson High School) reads Maths at Clare College, Cambridge University after achieving four A grades and a B in August 2010.

Gordon commented, "I really enjoyed studying Maths at Blackpool Sixth Form and I'm really excited about continuing my studies at university."





“If you want to change the world you need to know how it works. Why not do that in our state of the art facilities?”

James Hallmark - Head of Science

“I really enjoyed the atmosphere of the college and in particular I enjoyed the ability to choose the subjects I wanted to take.”

Alex Gallagher
(formerly of St George's High School) currently studies Medicine at St Annes College, University of Oxford.



Students make Big Bang at Engineering Competition

In June, a group of Physics Engineering students were titled 'Engineering Group of the Year' at the North West Big Bang Competition Regional Finals at Liverpool World Museum.

The students have been working on Temperature Diagnostics of Environmental Control System of the Tornado GR4 for BAE Systems. The team will compete nationally at the ExCel in London in March 2011.

In 2010, ten of our AS and A2 Physics students gained a BA Crest Gold Award and an Engineering Education Scheme Gold Award as a result of working on engineering projects with Springfield Fuels, Salwick and BAE Systems, Warton.



Pictured above: students at BAE Systems, Warton

Our students also scored in the top 20% of candidates in recent Celebration and Assessment Day at Liverpool University. Due to this success we have secured 2 of only 15 Nuffield engineering bursaries for the North West.

Where are they now?



Jenny Lomax graduated from Blackpool Sixth Form in 2000 where she studied Biology, Maths, Chemistry and General Studies.

Jenny studied Pharmacy at Aston University and is now a Senior Pharmacist at Blackpool Victoria Hospital.

She commented, **“I enjoyed the Sixth Form because it meant I was able to choose the subjects and extra curricular activities I enjoyed most.”**

Did you know?

Each year our students have the opportunity to take part in the Science Olympiads.

In August, Student of the Year 2010 **Jimmy Cowell** (formerly of St Georges High School) achieved an A*, 2As and 2 B grades.

He now studies Chemical Engineering at Manchester University.



Tom Walsh and Eleanor Richards (both formerly of St Aidan's Church of England Technology College) study at Cambridge University.

Tom studies Natural Sciences at Selwyn College and Eleanor reads Medicine at Girton College.

Engineers of the future

In 2010, Ten Physics and Electronic students gained valuable engineering experience last year by working with two local employers, BAE Systems and Springfield Fuels.

The local companies provided the students with real-life engineering problems for them to solve, allowing them to apply their skills and knowledge whilst working as part of a successful team. The students committed around 150 hours of their own time to the tasks.

In the last week of term the students spent three days at Lancaster University making and testing prototypes (pictured below), which they found very enjoyable.



In August 2010, **Grant Kirkpatrick**, formerly of Hodgson High School, achieved 2 A* grades and 4 As and will study Biochemistry at Imperial College London.

Ben Ramsden (pictured left) has recently started his final year of his degree at the University of Oxford. Ben reads Engineering Sciences at Lincoln College.

“I really enjoyed my time at Blackpool Sixth Form the tutors were excellent and I was able to make some great friends.”

Holly Atton

(formerly of Highfield Humanities College) currently studies Chemistry at Keble College, University of Oxford.



Paul Topham, who graduated from the Blackpool Sixth Form College in 1998, is currently a lecturer of Chemistry at Aston University in Birmingham.

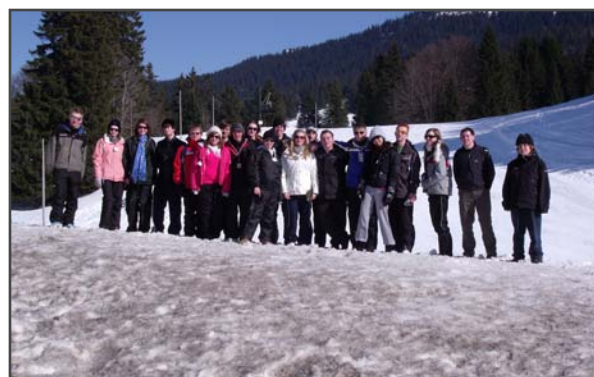


Paul studied Chemistry, Maths, Physics and Graphical Communication at the College before studying Chemistry at the University of Sheffield.

Paul commented, **“I enjoy teaching and helping a wide variety of students, watching them develop as they progress through university.”**

Annual visit to CERN

We welcomed Dr Harold Fox to the college in February 2010 to talk to students about the Large Hadron Collider. This helped to prepare students for the annual visit to CERN and Geneva, Switzerland in March.



Did you know?

We can engineer bacteria in our labs so they glow in the dark.



“We are very proud of our highly qualified Maths staff who use a variety of teaching styles in a pleasant environment. Our students have an outstanding record of achievement over the years, many going on to study Maths related degree courses.”

Emma Oldfield - Head of Mathematics

Mathematics students strike gold

Six students from Blackpool Sixth achieved success in the national Mathematics Senior Challenge in 2009 with two students achieving fantastic Gold Awards.

Senior student Gordon Pal and Alasdair Preston both achieved gold awards, Robert Harrison and Tom Taylor achieved silver awards and Claire Sycamore and Fuad Chowdhury achieved bronze awards.



Did you know?

Each year our students have the opportunity to take part in the National Senior Maths Challenge - in 2009/10 two of our students achieved the Gold Award.

Maths students mentor in partner high schools

In 2010, Maths students were able to engage with the local community last year as they provided Maths mentoring at Collegiate High School.

Seven of our students were regularly providing one to one or small group tuition to pupils ranging from year 9 to year 11 and their support was greatly received and appreciated by the Mathematics Department in the school.



Sean Moorhead (pictured left, formerly of St George's High School) is currently in his second year of studying Maths at Mansfield College, University of Oxford.

Sean commented, “I was really excited when I got the results to study at Oxford. I enjoyed studying Maths at the Sixth Form and found the support offered by the tutors very helpful.”

“Studying Mathematics helps me to think more logically, solve problems and calculate faster. I enjoy being able to find answers to difficult questions. In classes, I enjoy it when we all work together as a team.”

Jacky Lo
Studies Mathematics, Further Maths and BTEC Business
High School: St Annes College Grammar School



Be Outstanding



BLACKPOOL SIXTH

Printed on 80% recycled paper

Blackpool Sixth Form, Blackpool Old Road, Blackpool, FY3 7LR
Tel: 01253 394911 Fax: 01253 300459 Email: enquiries@blackpoolsixth.ac.uk

www.blackpoolsixth.ac.uk