



Science Bursaries



Saranja Sivachelvam, Bancrofts School,
EADS Astrium



Jordan Ogle, Devonport High School
for Boys, University of Plymouth

*"The project has opened my eyes
to new areas of science that I never
knew existed before and has left
me hooked on this fascinating area
of research."*

Abigail Harris,
The Portsmouth Grammar School

Inspiring experiences
Inspiring science
Inspiring you

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Schools & Colleges

Real projects...

- about science, technology, engineering and maths
- with practising scientists, technologists, engineers and mathematicians
- for Key Stage 5 (post-16) students
- across the UK.

Nuffield Foundation Science Bursaries offer KS5 students the opportunity to take part in a research project for 4-6 weeks during their summer holiday. We give students a bursary of £80 per week and are keen to encourage new applicants from all schools across the UK. Students take part in a range of Science, Technology, Engineering and Maths (STEM) projects in universities, research institutes, companies and more.

To **find out more** contact your Nuffield Coordinator (see pages 10-11) to register your interest and choose one of two ways to set up a placement:

- arrange your own placement with the help of teachers and organisations
- apply for a project placement that has already been set up.

Unlike other work experience schemes, students carry out projects that are well defined from the start, and will make a contribution to the host organisation and its ongoing projects.



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2.

1. Hannah Norman, Sir John Leman High School, John Innes Centre
2. Douglas Pyott, Fortrose Academy, University of Edinburgh
3. Gemma Adams, Wyomondham College, John Innes Centre
4. Olabisi Obamakin, Ashcroft Technology Academy, UCL Medical School

"This experience has opened my eyes to some of the possible careers I could pursue in the future."
Lucy Mapp, Colchester County High School



Get involved...

- as a student
- as a Project Provider
- as a teacher.

As a student

Our bursaries are designed to give you an insight into different careers in your chosen area of STEM, and to help you decide on which university course might interest you the most. If you're a student in the first year of an advanced or higher-level science, technology, engineering or maths (STEM) course, then why not get in touch to find out more?

You'll receive a bursary of £80 a week to help you make the most of your experience, which, apart from helping you make career choices, will also be highly valued by future employees and admissions tutors at universities.

Working as part of a team, you'll take the initiative on projects that really make a difference, write a project report and receive a certificate of achievement.

You will also have opportunities to share and communicate your experiences more widely through celebration events and scientists' and engineers' fairs.

Demand for bursaries will be high so we advise you to apply early.

As a Project Provider

Funded by the Nuffield Foundation, bursaries provide your organisation with a high-quality student to work in a defined technical role for 4-6 weeks, usually over the summer.

Our students are motivated, enthusiastic young people who would benefit greatly from experiencing life in a scientific and technological environment. You will benefit from the fresh ideas and hard work that the students will bring to your organisation, and also from the links that will be generated with local schools and teachers.

If you're interested in becoming a Project Provider, please contact your nearest Nuffield Coordinator for more details.





2.

As a teacher

We welcome applications from schools who have never had a Nuffield Foundation bursary before, as well as those who are familiar with the programme. Our bursaries offer your students a unique insight into a topic of their choice, open up their eyes to different careers, and give them a tangible experience to help choose from the plethora of different courses available at university.

Once they have completed their bursary project, students can act as ambassadors and inspire others to consider different careers and university courses. We encourage all bursary students to communicate their experiences to as wide an audience as possible, and this begins back in school. We hope that you will harness the enthusiasm from any Nuffield bursary students for the benefit of your whole class.



3.



4.

1. Alexander Colman, Gresham's School,
John Innes Centre

2. Elsa McKee, Bromsgrove School,
University of Birmingham

3. Marc McCombe, Newtownabbey NRC,
AES Kilroot Power Limited

4. Amy Watson, Monkseaton High School,
Newcastle College

Celebrating students!

- up to 1015 students in placements in 2010
- supported by Project Providers in over 250 organisations
- with projects covering all aspects of science, technology, engineering and maths.

Each year Nuffield students are given the chance to showcase their work at celebration events held all over the UK. Projects are presented to industry organisations, research institutions, universities and colleges, parents, teachers and fellow students.

This year Nuffield students were again hugely successful in UK Science and Engineering Fairs. In 2010, our students won over 20 prizes at the Big Bang Fair, including the Young Scientist of the Year and the London International Youth Science Forum.

What do students say about the bursary programme? Read on to hear Tom and Alex's stories...

"My Nuffield Science Bursary was nothing like I imagined 'real' science could be like, especially for someone of my age."

Tom Hearing



Tom Hearing

Tom, from the Thomas Hardye School, spent his summer at the Jurassic Coast World Heritage Site in Dorset where he took part in a project mapping the erosion of Monmouth Beach. Tom was named UK Young Scientist of the Year at the 2010 Big Bang Fair and hopes to begin an Earth Sciences degree at Oxford University in the autumn. Speaking about his project, Tom said: "Having always been fascinated by Earth Sciences, the experiences I had on the Nuffield Bursary Scheme just confirmed that I want to pursue a scientific research career."



Alex Pritchard

Alex, from Northampton High School spent four weeks in Summer 2009 working in the Pathology Laboratory at Northampton General Hospital. She was recently awarded the Nuffield Foundation Stockholm International Youth Science Seminar Prize at the Big Bang Fair and will be travelling to Stockholm in December to represent the UK at the Seminar. Alex said of her bursary: "My experiences at Northampton General Hospital have given me the skills, confidence and ambition to pursue a career in this field. I am hoping to study Biomedical Science at King's College London University next year."



Alex Pritchard

"I am thrilled to be representing the UK as a youth scientist at Stockholm in December, which is just one of the many opportunities the Nuffield Bursary has opened up for me, that would never have otherwise been available."
Alex Pritchard

Partnerships

The following partners have provided projects and sponsorship.
We are especially grateful to the Wellcome Trust & RCUK
who each fund 100 bursaries a year.

Aberystwyth University
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Heartlands Hospital
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Kingston University
Leicester Royal Infirmary
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Liverpool John Moores University
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Maidstone Hospital
Manchester Metropolitan University
Marine Scotland
MAST Carbon Technologies
MBDA Missile System UK
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 Sunderland University
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 Surrey Wildlife Trust
 Swansea University
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 University of Sussex
 University of the West of Scotland
 University of Ulster
 University of Warwick
 University of York
 Vestas Wind Systems
 Warwick Hospital
 Worthing Hospital
 Xerox
 Yeovil District Hospital
 ZSL Whipsnade Zoo

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Nuffield Coordinators

Nuffield Foundation Science Bursaries cover the whole of the United Kingdom. Please contact your nearest Coordinator for local arrangements.

For general information and queries please contact Sarah Botting at the Nuffield Foundation – T: 0207 681 9626 E: scb@nuffieldfoundation.org

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If you have difficulty contacting your Coordinator, please check the website for latest contact details:

www.nuffieldfoundation.org/scb

Find out more...

Nuffield Foundation Science Bursaries for Schools & Colleges inspire students across the UK with 1000 funded places a year.



Contact your Nuffield Coordinator for details on how to apply.
For more information see:

www.nuffieldfoundation.org/scb

About us



The Nuffield Foundation is a charitable trust endowed by William Morris, Lord Nuffield, the founder of Morris Motors. Our aim is to improve social well-being by funding research and

innovation in education and social policy, and by building capacity in science and social science research.

We believe policy and practice should be influenced by independent and rigorous evidence. Our Science Bursaries aim to ensure these qualities are maintained in the future by investing in young people's careers in science and research. You can find out more about our Science Bursaries at www.nuffieldfoundation.org/scb

Undergraduate Research Bursaries

Nuffield Foundation Undergraduate Research Bursaries offer up to 400 funded places a year, helping undergraduates across the UK to gain an insight into scientific research careers. Research projects last between 6-8 weeks throughout the summer months, at universities and research institutes, covering a wide range of scientific disciplines.

Students doing a Schools & Colleges bursary this year might be interested in applying for an Undergraduate Research Bursary in the future.

For more detailed information, please visit www.nuffieldfoundation.org/urb