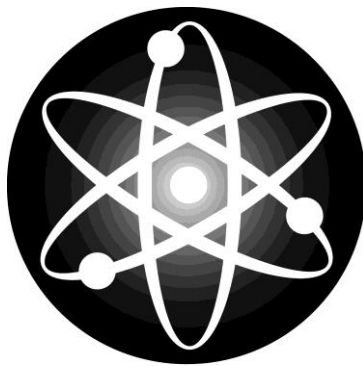


MALTON SCHOOL



Science

**SCIENCE BUILDING
OPENING**

7:00 p.m. 20 January 2005

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SCIENCE BUILDING OPENING

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Introduction to the evening
Sally Fothergill and Ross Harrison
(Head Girl and Head Boy 2004-5)

Inaugural Annual Science Lecture
“The Magic of Magnetism”
Dr Mike Diprose
Mr Michael Proctor

Vote of thanks
Olivia Buckland and Jack Davies
(Deputy Head Girl and Boy)

Formal Opening
of the new Science Building
By Cynthia Welbourn,
Corporate Director of Education for North Yorkshire

Refreshments, followed by an opportunity
to tour the science facilities

Malton School, A Specialist Science College

We extend a warm welcome to a very special evening in the long history of Malton School.

In the Summer of 2002 Malton School took the decision to seek Specialist Science Status as part of the Government's specialist schools programme. The decision in both the staff and governor meetings was unanimous. Our successful bid was submitted in Autumn 2003 with a formal announcement following in February 2004. We formally gained specialist status in September 2004.

Mr Ian Martin, Subject Leader for Science, spent part of each week from September 2002 to October 2003 researching, planning and writing the bid, assisted by Mr John Steel, Assistant Head, and Mr Gareth Edwards, Subject Leader for Mathematics. Discussions were held with our cluster primary schools and with neighbouring secondary schools, as well as with Community Education.

Mr Roberts headed the task of raising £50 000 of sponsorship from students, parents and friends of the school as well as from local businesses: this was a pre-requisite to submitting our bid. We thank our sponsors and donors for their generosity, which allowed us to reach our target within the set time.

In 2003 we were notified that additional teaching spaces would be provided by North Yorkshire County Council. This was a consequence of the growth in student numbers from 487 to 630 at that time. The funding covered the cost of two ground floor laboratories. The governors supported the bold decision of allocating school resources to allow a second storey shell to be built at the same time as the ground floor works.

Specialist status was gained at just the right time to allow for the fitting out of the first floor of the new science building, creating for the first time in the history of Malton School as a comprehensive school, six laboratories with their associated preparation rooms in one location. This has been a long-held desire – since 1971 – to maximise the efficient use of materials and specialist equipment, and to strengthen the work of the science department as its staff will meet far more frequently than has hitherto been possible.

The building and alterations were completed between March and October 2004, by Wrights of Hull.

Mathematics is the associated subject specialism to science, inevitably a key factor in any success in the sciences. An additional mathematics teaching space will be created during 2005, when we convert one of the laboratories vacated by science in West Wing.

This evening is special not only for the opening of our new science building but also because we shall hear the inaugural Annual Science Lecture. We have been very fortunate to secure the services of Dr Mike Diprose and Mr Michael Proctor from the University of Sheffield. We look forward to learning much about magnetism, its discovery and its utilisation in the development of our modern world.

We thank you for attending and wish you an enjoyable and informative evening.

Ian Martin
Specialist Status Manager

David Roberts
Head

Dr Michael Diprose

(B.Sc. (Hons), Ph.D., M.I.E.E., C.Eng.)

Michael Diprose was born in London at a very early age and subsequently educated at Tottenham Grammar School. He read for a degree in Electronics at the University of Kent and graduated in 1969. Following a year in Uganda at Mulago Hospital, Kampala with V.S.O. and a motor-cycle trip home across Africa, he returned to Canterbury to study for a Ph. D. in Medical Electronics, developing equipment for mobile coronary care systems.

He joined Professor Frank Benson at the Department of Electronic and Electrical Engineering, University of Sheffield as a Research Fellow in 1976, developing electrical methods of weed control, which is still an active interest. He became a lecturer in 1983 and stayed in the department until he took early retirement in 2003. During this time, a system for preventing marine biofouling in ships' seawater piping systems was patented with colleagues from the Department of Botany and evolved into a University Enterprise Company (Biofouling and Corrosion Control) of which he was a Director.

In the late 1980s and early 1990s he began lecturing in primary and secondary schools believing in the vital importance of engaging young people with science and engineering. For three years he delivered the Christmas lectures for primary schools at the University of Sheffield and has been actively involved in many Science Weeks. He was the Chief Lecturer for the 1996/7 I.E.E. Faraday lecture – “But what’s the use of it, Mr. Faraday?”

Following a belief that science and the arts could work powerfully together, he obtained a Royal Society Millennium Award to develop a performance combining science, poetry and modern dance entitled 'Moonlight and Magnetism'.

He now has his own company – Spectrum-tec – continuing his interests in research, engagement with science and working with the arts.

Mr Michael Proctor

Mick Proctor was born in Sheffield and educated there, until he attended Lindisfarne College, North Wales. During these school years he spent several periods in India. He attended Sheffield Polytechnic College (now the Sheffield Hallam University) studying electrical engineering and joined the staff of the University of Sheffield in 1961, retiring in 2003 after 42 years of service.

He started to work with Mike Diprose in the 1980s' on the electrical weed control programme and subsequently became involved with the schools lecture work. He was the Technical Manager for the 1996/7 I.E.E. Faraday lecture tour, responsible for the equipment design, construction and function and supervised the team of technicians supporting the lecture.

He was the Technical Manager for the Millennium project 'Moonlight and Magnetism' and has been involved in all the Science Week presentations of the 'Magic of Magnetism'. He is a SETPOINT Science Ambassador and is still actively involved in the science engagement programme with Mike Diprose, ensuring that everything he forgets is, in fact, packed.

Malton School acknowledges the generous financial support received from students, parents and friends of the school, as well as from public funds provided by North Yorkshire County Council and the Department for Education and Skills.

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(listed in chronological order of donations)

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Malton School - an extract from our prospectus

September 2004 marked a new and exciting milestone in the long history of Malton School, as we became a Specialist Science College as part of the government's specialist schools programme.

Whilst we embrace change, we remain true to our traditional values of respect and tolerance, established over our 450 year history. Respect is at the heart of our behaviour code. We offer a safe, secure and structured community in which young people can grow confidently. Change is evolutionary. Change is measured against our main responsibility: to serve the best interests and needs of students.

Our school is now a vibrant community of 640 students and 80 staff, having seen a 33% increase in the school population in the last ten years. We are a popular choice. We challenge students to fulfil their potential academically, physically and personally. We maintain high standards of achievement whilst providing a wide range of opportunities for all. A look at the photo inserts in our prospectus shows real snapshots of just some of activities we provided for our students, or they provided for us, last year.

Our curriculum is wide and varied. Our Specialist Science status does not affect our provision – we remain a comprehensive school offering a wide range of courses. Students follow the national curriculum in Years 7 to 9. In Years 10 and 11 we aim to provide the courses chosen by students and parents - the timetable is constructed after choices are made, to ensure as many students as possible can realise their combination of subjects. We have 36 students following vocational options this year. At advanced level the recent addition of Physical Education A level has taken our range to 21 subjects, including two vocational courses.

Examination results are consistently above national averages, and continue to show an upward trend annually. In each of the past five years we have been able to claim our “best ever” results at GCSE or A level, or both. We continue to push our boundaries forward, and set ourselves challenging targets.

Final Thanks

Very many people have contributed to the achievement of this project, but particular thanks are due to a number of people:

To Dr Steve Smith, Science Technician, for many hours of work in preparing, constructing and finishing furniture and fittings in the new preparation rooms.

To Mr Cliff Reddyhoff, Science Laboratories Manager, and Mr John Coates, Site Manager, for organising, preparing and liaising with suppliers and the many external workers who have been involved in the building project

To Mrs Clare Chapman, for planning the finances, liaising with suppliers and placing (and chasing!) orders.

To the teachers of science, led by Mr Ian Martin, thank you for coping with disruption, for helping with the moving of equipment and materials and working with our technicians to ensure all is ready for teaching in the new laboratories.

To the Central Science Laboratories for their advice, help and support throughout the bidding process.

And finally, to the many sponsors listed above as well as students, parents and relatives who supported sponsored events, and ensured that we had a solid financial platform to proceed with our bid for specialist status.