

Meaningful Learning Experiences

Strategic Commitment	✓	Part of the Gatsby Benchmarks National Pilot
Curriculum Provision	✓	Enabling development of project-based learning
Employer Partnerships	✓	Creating a Science and Careers link with the NHS
Reflective Young People	✓	Developing learning skills and Science skills
Informed Career Choices	✓	Revealing the wide range of roles in the NHS

NHS Hospital Trust provides basis for project-based learning in Key Stage 3 Science

Harton Technology College is an 'Outstanding' secondary school that is planning to introduce project-based learning within Science for Key Stage 3 students, helping them to develop understanding about experimental skills and investigations, as well as skills in analysis and evaluation. The brief for this project indicated that involvement in the programme would, '*... allow us to gauge the interest of the students and to hopefully make some industry links which we are keen to use when it is delivered as part of normal Science lessons*'.

The Workforce Development and Education Manager at City Hospitals Sunderland recognised the potential of bringing classroom learning to life for whole year groups, working with one school initially to model a new approach that would complement other parts of the outreach programme and could be used in other schools.

The Cardiology Service and Development Lead at South Tyneside Hospital provided photographs, informal video clips, patient briefing papers and other information about the working of her department. These were accompanied by material from the British Heart Foundation and compiled into classroom resources by the school's Science team.

This project with the Cardiology Unit provided an exemplar to create a similar partnership with the hospital's Medical Science team, which will form the basis of another Key Stage 3 Science project.

Benefits for the Students

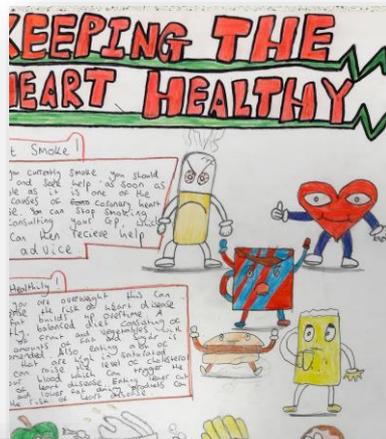
- *'It made me work a bit harder ... because I like my work being presented'*
- *'I'd never really thought about working in Cardiology. It's more complex and complicated than I thought it would be'*
- *'It's helping you for the future in case you're interested. It gives a flavour of how it is to work in a hospital'*
- *'It helps you know more about the heart than you knew before ... the teacher might not know about the practical things, like the nurses and the manager'*

Benefits for the School

- The school's successful team of Science teachers was already thinking creatively about the Key Stage 3 curriculum. Partnership work with the local hospital will provide a rich source of material and purposeful challenges for project-based learning
- The Science department has 18 teachers, all of whom can be involved in these projects, contributing to their professional development

Benefits for the Employer

- Initial discussions with the Workforce Development and Education Manager at the hospital trust revealed some frustration about the low take-up among local schools for a careers fair organised in partnership with the university. Curriculum projects potentially complement outreach programmes such as this
- The Cardiology Service and Development Lead had previously visited schools to deliver classroom sessions. But this curriculum project required much less time and preparation and can be easily repeated elsewhere



Material provided by the Cardiology Unit gave students a real insight into its people and procedures. They were challenged to use the information to create community information posters for use in the hospital. These were selected during a guest visit to the school.

