

- There are several options for further study: a traditional academic course (GCSE Additional Science) an applied vocational route (GCSE Additional Applied Science), options to study individual sciences (GCSE Biology, Chemistry, and/or Physics)
- Piloted in over 75 schools across England and Wales from September 2003
- Revised courses launched successfully in September 2006, with excellent uptake in schools and colleges nationally
- Support for teachers and technicians provided by University of York Science Education Group and Nuffield Curriculum Centre

For over 20 years, the Salters' Institute has collaborated with The University of York Science Education Group (UYSEG) to produce the innovative Salters' curricula for the teaching of science. With the support of Salters and other major funders, including Nuffield and the Horners' Company, UYSEG have created courses that employ innovative teaching approaches and emphasise the use of science in everyday life.

The courses are used by tens of thousands of students in the UK and are increasingly adapted in other countries, including USA, Russia, Spain, Sweden and Germany.

THE UNIVERSITY *of York*

welcome trust



Nuffield
Curriculum Centre

The Horners' Company



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The Salters' Institute is a Registered Charity No. 328463

Salters' Curricula

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THE SALTERS' INSTITUTE



Salters Advanced Chemistry

- A motivating and exciting post-16 course written by teachers and specialists
- Conveys the excitement of contemporary chemistry by placing it in the context of its practical applications, from medicine to the atmosphere and from dyes to fuels
- Stimulating and broad range of activities appeals to students of all abilities
- Backed up by a strong support network
- Residential workshops for teachers and technicians
- Newsletters
- Web information and teacher and technician forums
- Purpose-designed assessment scheme, administered by OCR
- Overseas translation and adaptation: Germany, Spain, Sweden, Russia

Salters Horners Advanced Physics

- Contexts provide rationale for AS and A-level physics
- Wide range of contexts: bungee jumping, CD players, black holes, earthquakes
- Opens doors to rewarding careers
- Visit to study 'physics at work'
- Individual project work
- Over 4000 students each year
- INSET and email networks for teachers and technicians

Salters-Nuffield Advanced Biology

A ground breaking new course

- Content taught through contemporary real-life topics to motivate students
- A wide variety of activities integrated throughout the course
- A new approach to assessment of AS coursework

Exciting publications

- Student books complemented by a dedicated website and multimedia resources
- On line tutorials, animations, simulations and tests to support learning

Support for centres

- INSET programme to support teaching and learning
- Support from Edexcel and the SNAB team
- e-groups for teachers, technicians and students



Twenty First Century Science

- An innovative new curriculum for GCSE science courses
- Courses are studied predominantly by students aged 14-16 years
- A joint project between the University of York Science Education Group, Nuffield Curriculum Centre, OCR Awarding Body and Oxford University Press
- Schools and colleges are supported by the project team, training meetings and new multi media resources (published by Oxford University Press)
- All students follow a GCSE Science course which develops scientific literacy skills
- GCSE Science teaches both key science explanations, and an understanding of the nature of science
- Students should be prepared to engage with scientific debate and decision making in their daily lives
- The curriculum must also prepare the next generation of professional scientists. TwentyFirst Century Science provides students seeking this route with a firm basis for future study