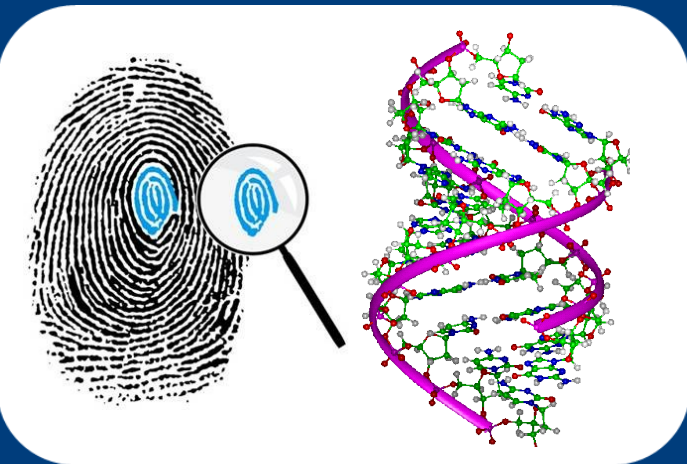


Rationale of the KS5 Curriculum

Darwen Aldridge Community Academy offers a range of Key Stage 5 courses that prepare students for higher education or specific job roles.. Biology, Chemistry and Physics are taught by subject specialists at both AS and A Level via the AQA examining board.

Darwen Aldridge Community Academy also provides students with the option to study a BTEC National Diploma in Forensic Science. This is an assignment based course which incorporates aspects of Biology, Chemistry, Physics, Psychology and Criminology. Students have the opportunity to carry out individual investigations as well as off site events related to the course. Darwen Aldridge Community Academy follows the EDEXCEL course.



Open Evening - Whats Going On?

Physics

Mr Stansbie / Mr McWilliams

Room 4.11

Chemistry

Mr Topping / Miss Wrennall

Room 4.12

Biology

Mr Zaman / Mr Heyward /
Miss Bamber / Miss Raja

Room 4.14



For further details contact:

Mr M Hayward
Science Faculty
Darwen Aldridge Community Academy
Sudell Road
Darwen, Lancashire
BB3 3HD

Telephone: 01254 819516

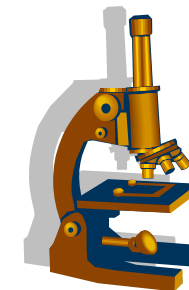
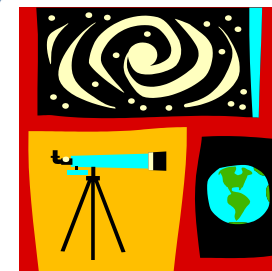
Email: science@daca.uk.com

Darwen Aldridge
Community Academy

'Realise your potential'

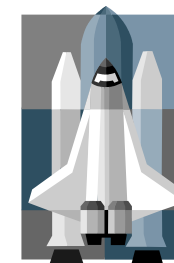


Science Faculty



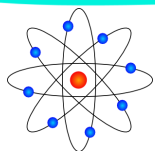
Science is an integral part of modern culture. It stretches the imagination and creativity of young people. Its challenges are quite enormous."

Professor Malcolm Longair, CBE,FRS, FRSE

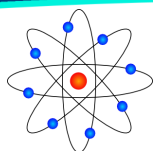


If you would like to find out more about securing a place in Year 7, please visit www.daca.co.uk or call **01254 819500** for further details.

Darwen Aldridge Community Academy,
Sudell Road, Darwen, BB3 3HD



Science Faculty



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Stand out in
Darwen
Neighbourhood Challenge



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Rationale of the KS3 Curriculum

Students in Year 7 and Year 8 follow the Science curriculum via the 'Go Science' Programme of Study. The Programme allows students' to improve their subject knowledge whilst understanding the relevance of science at a global, national, local and personal level. Science is studied in one extended session per week. The extended learning sessions allow students to carry out complete investigations and enables them to incorporate PLTS (Personal, learning and thinking skills) successfully into their own learning experiences.

Students are introduced to aspects of Biology, Chemistry and Physics throughout the two year course and the course provides them with knowledge and skills that can be utilised at Key Stage 4.

Darwen Aldridge Community Academy understands the importance of numeracy and literacy in students' development and this is disseminated throughout all curriculum areas. All teaching staff ensure that numeracy and literacy tasks as well as activities related to the six DACAs are incorporated into the learning sessions.

Rationale of the KS4 Curriculum

Darwen Aldridge Community Academy realises the importance of maintaining students' enthusiasm to ensure that they reach their full potential. Therefore, Key Stage 3 has been condensed into a two year course and students in Year 9 are introduced to more challenging aspects of science by starting the Key Stage 4 Programme of study.

There is a diverse range of Science courses at Key Stage 4. This allows all students to access the Science Curriculum in a way that suits them best. Each pupil is offered advice by a Science Teacher as to which course is suitable at the end of Year 8.

AQA Science

This is a modular course which enables students to focus on the importance of Science in the modern world. Assessment occurs through examinations as well as investigations. Students on this route are able to obtain 2 G.C.S.Es at the end of the course.

AQA Separate Sciences

Students have the option to study Biology, Chemistry and Physics in more depth. Students receive 1 G.C.S.E. per subject.

Level 2 BTEC Science

The Academy understands the importance of the ECM Agenda and does its best to provide courses to cater for all individuals. The BTEC Science courses provide a more practical approach to Science. Students complete a series of assignments which cover a vast range of science topics.

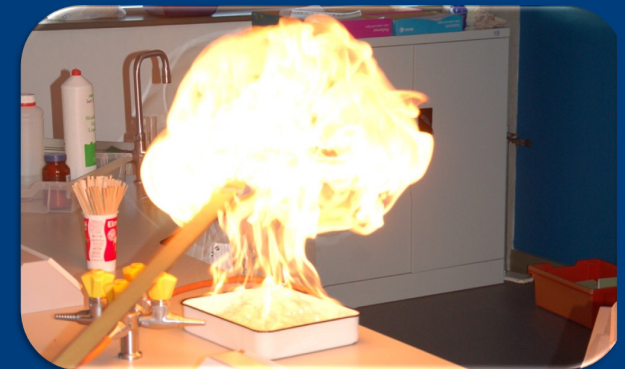
These include the following units:

Chemistry and our earth

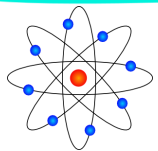
Energy and our universe

Biology and our environment

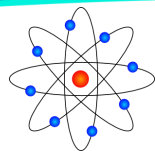
The courses enable students to gain qualifications that are equivalent to A-C grades at GCSE.



In 2011, 81% of DACA students gained 2 good GCSE's or equivalent in Science subjects.



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