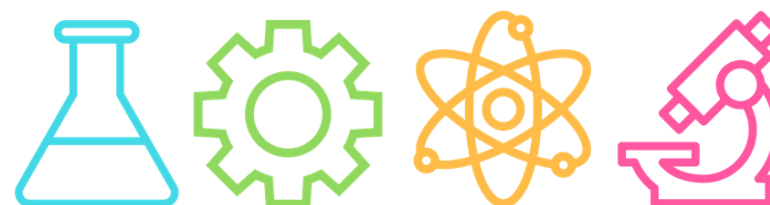




Science Pathways



SCIENCE DEPARTMENT
Ardrossan Academy



Science Department
Ardrossan Academy

Ambition Respect Excellence

Ambition Respect Excellence

Pupil Voice

"I chose Biology and Chemistry because I want to study sport science."

S4 pupil

"I am studying all three sciences because I want to be a surgeon."

S4 pupil

"I chose sciences because they are useful needed for my college applications."

S5 pupil

"I like academic and mathematical things so I chose Chemistry and Physics."

S5 pupil

"I think science provides good career opportunities."

S5 pupil

"I really enjoy them so wanted to keep studying them."

S6 pupil

"I like the practical elements of science."

S6 pupil

"I like science because I can apply it to everyday life."

S6 pupil



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Pupil Pathways

Medicine



Ethan studied all three sciences at N5 and higher level and studied Biology and Chemistry at advanced higher level. He also completed the science baccalaureate.

Ethan is studying medicine at University.

Biomedical Science



Katelynn studied Chemistry at N4 level, N5 level and Higher level.

Katelynn completed a biomedical course at College and is now studying Biomedical science at University.

Aeronautical Engineering



Jack studied N5 physics over two years and also completed a foundation apprenticeship in S6.

Jack is currently studying aeronautical engineering at College.

Ambition

Respect

Excellence

Overview of Courses

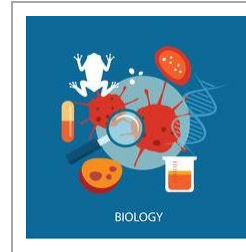
Career Pathways

University – College –
Apprenticeship – Employment



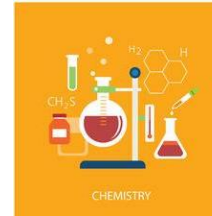
- Medicine – Dentistry – Communications – Energy
supply – Automotive engineering – Pharmacy – Drug
development & production – Waste management –
Research – Industrial design – Sports science – Teaching
– Defense – Surveyor – Technician –

Biology



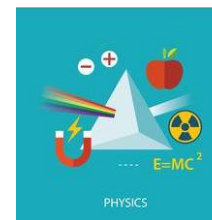
Studying Biology you will learn to think creatively, analyse and solve problems. You will learn how to investigate, draw conclusions and evaluate your findings while studying the relevance of Biology in everyday life and its vital role cutting edge research technology.

Chemistry



Studying Chemistry will allow you to think creatively, analyse and solve problems. You will develop investigation skills, communication skills, literacy and numeracy skills which will equip you for the world of work. You will have opportunities for collaborative and independent learning through experimental work, drawing conclusions and evaluating your findings.

Physics



Studying Physics you will develop a deep understanding of Physics concepts and the ability to describe and interpret physical phenomena using mathematical skills. You will also develop the ability to think creatively, analyse and solve problems, working collaboratively or independently, and to draw conclusions and make reasoned judgements.

Science



Studying N4 Science you will develop your ability to think analytically, creatively and independently, and make evaluations. You will be able to understand the impact of science on everyday life and make decisions on issues within society where science applications are constantly changing.

Course Levels & Subjects

Fourth Year

Science	Biology	Chemistry	Physics
National 3	National 3	National 3	National 3
National 4	National 4	National 4	National 4
	National 5 Units	National 5 Units	National 5 Units
	National 5	National 5	National 5

Fifth Year

Biology	Human Biology	Chemistry	Physics
National 5 Units	Higher	National 5 Units	National 5 Units
National 5		National 5	National 5
		Higher	Higher

Sixth Year

Biology	Human Biology	Chemistry	Physics
National 5 Units	Higher	National 5 Units	National 5 Units
National 5		National 5	National 5
Advanced Higher		Higher	Higher

Science Baccalaureate



The Scottish Baccalaureate in Science is designed to provide challenging and rewarding experience for candidates in sixth year.

It is aimed at sixth year pupils studying subjects at Higher and Advanced Higher level.

The Baccalaureate involves completing an Interdisciplinary Project based on pupil's future careers and academic interests. This experience helps to equip the candidate with the generic skills, attitudes and confidence necessary to make the transition into Higher Education and employment.

