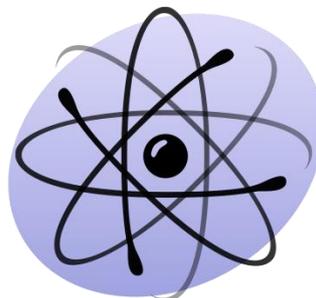


Physics

Do you want to investigate the limits of space, the beginning of time and everything in between? How about understanding how the technology around you works? Want to save the planet , become an engineer or maybe just help people get better when they are ill by developing nanobots to target cancer cells , Physics has revolutionised the



diagnosis and treatment of illness and is at the forefront of medical technology. Or maybe you are not particularly interested in any of this well it doesn't really matter. Whatever you do the knowledge and skills you gain by studying physics will be useful. Physics is more than a subject - it trains your brain to think beyond boundaries. Physics provides such a broad training that whatever career you have in mind, physics will stand you in good stead.

All employers value the skills that physics develops: an ability to grasp things quickly, a determination to find coherent answers, along with problem-solving, analytical, mathematical and IT skills.

Studying physics is an excellent way of keeping your options open. Whether you want to pursue a career in games design (software engineering), in the world of finance modelling the trends in stocks and shares, or sports design - understanding physics is important.

National 3/4	National 5	Higher
Unit 1: Dynamics & Space Unit 2: Waves & Radiation Unit 3: Electricity & Energy	Unit 1: Dynamics & Space Unit 2: Waves & Radiation Unit 3: Electricity & Energy	Unit 1: Our Dynamic Universe Unit 2: Electricity Unit 3: Particles & Waves
3 periods a week Homework issued on fortnightly basis End of Unit Assessments	4 periods a week Homework exercise on weekly basis Mid Unit and End of Unit Assessments	6 periods a week Homework exercise on weekly basis Mid Unit and End of Unit Assessments
Added Value Unit (AVU) researching a key area of Physics and producing a written report	Exam: 20 MCQ and 60 marks Short Answer Questions Assignment 20 Marks TOTAL = 100 Marks	Exam: 20 MCQ, 80 marks Short Answer Questions Assignment 20 Marks Total = 120 Marks

Physics is an incredibly hands on subject where pupils have numerous opportunities to take part in active learning and experimental work which will deepen their knowledge and understanding of the topics being covered. Pupils are given control of their own learning by devising their own experiments, research tasks and assignments. This allows for them to develop not only literacy and numeracy skills but also learn working as part of a team.