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NY STATE	TURUNU

<b>A LEVEL</b> AQA <u>7408</u>		PHYSICS
SPECIFIC ENTRY REQUIREMENTS	<ul> <li>Grade 6 or above in GCSE physics (separate science) or grades 6-6 or above in combined science: trilogy and</li> <li>Grade 6 or above in GCSE mathematics and</li> <li>Students must successfully complete a bridging unit in physics over summer.</li> <li>It is not necessary to study A Level maths to be successful in A Level physics however, we would strongly recommend that students take A Level mathematics, this is because it both supports the concepts covered and ensures a broad selection of post 18 options.</li> </ul>	
COURSE CONTENT	<ul> <li>A-Level physics is a rewarding and popula have enjoyed and succeeded in GCSE science</li> <li>Year 12 <ul> <li>Particles and radiation</li> <li>Electricity</li> <li>Waves</li> <li>Mechanics and materials</li> <li>Further mechanics and thermal physics</li> <li>Fields and their consequences</li> </ul> </li> <li>Practical skills and analysis are taught in sexamined in the theory exam at the end of On choosing physics you will need to chooption (which is currently astronomy). The next career / study steps. The engineering suited to those considering any engineering suited to those considering suited to those considering suited to the suited to those considering suited</li></ul>	Year 13 • Nuclear physics • Option topic, either Engineering or Physics option (currently Astro) separate weekly practical lessons and of the course. ose either the engineering or the physics he options are designed to support you in your g unit has a high maths content but is ideally ing discipline. The physics option will be either ng points and will support students moving
EXAMINATIONS AND ASSESSMENTS	Three 2 hour papers. Questions will include long and short answers and multiple choice. Practical skills will be assessed as part of the course, leading to a practical endorsement on the final certificate.	
SKILLS, LINKS AND PROGRESSION	Although some A Level physicists go on to read for a physics degree, most follow courses in astrophysics, engineering, medicine, dentistry and veterinary medicine. In all these disciplines physics is an important foundation. (Note: the option choice is rarely a determining factor in higher education course admission; it can however help in the application process).	
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