



THE
KING'S
SCHOOL
GRANTHAM

The Physics Department

CANDIDATE INFORMATION



THE SCHOOL

For centuries, The King's School has been committed to academic excellence. Our first mention as an educational institution dates back to 1327, but it was in 1528 that the school was re-founded by Bishop Foxe of Winchester and, since then, has gone on to provide an exemplary education to thousands of boys – one of which was Sir Isaac Newton!

Although we are incredibly proud of our heritage, we adopt a forward-thinking approach to education. We are keen to recruit and train our colleagues in order to provide the best possible opportunities for our students during their time in school and beyond.

We believe that a student's education extends further than their academic attainment, and we work to ensure that our boys are also equipped with tools to help them navigate adulthood, as well as the qualifications they need to succeed. As a Grammar School, we endeavour to enable our students to achieve the highest grades and enter the most competitively sought-after universities, careers and professions.

OUR AIMS

We aim to inspire intellectual curiosity, encourage a competitive spirit and develop creative thinking. We foster social responsibility and leadership skills within our students and a strong sense of community underpins everything we do. We value commitment, we celebrate success, and we offer an environment which not only leads to academic success but also to self-discovery and a sense of personal worth.

THE DEPARTMENT

The physics department is comprised of 3 full-time teaching staff and 1 part-time teacher.

In Years 7 and 8, students study science for 3 hours a week. From Year 9, all students study the separate sciences at GCSE level.

The department presently follows the AQA GCSE Physics (8463) course. In 2023, our students achieved an outstanding set of results, with 77% of students gaining grades 7-9 and 100% grades 4-9 in GCSE Physics.

Physics A level is a popular choice and the department usually has 3 A level groups in each year group with around 60 students in total. The department follows the new OCR A level Physics A (H556). In 2023 we achieved 37% A*-A grades, 72% A*- B grades and 100% A*-E grades at A level.

A large number of our students go on to study Physics or Engineering subjects at university every year.

In years 7, 8, and 9, students are taught in six mixed groups. In Years 10 and 11, students are taught in groups with two equal top groups, five equivalent

ASSESSMENT & LEARNING

The school aims to deliver outstanding lessons, inspire curiosity, and develop students' genuine interest in their subjects.

Every class is taught in a way to prepare students for their examinations. Ongoing assessment, both teacher and peer, is a key element of the department's approach and the use of both formative and summative assessments on a regular basis provides vital information. Staff can initiate intervention strategies for areas where students require extra support, and their progress can be easily tracked. All members of the department are expected to use 'assessment for learning' strategies to inform their lesson preparation and teaching. The department

THE POST

We look forward to welcoming a successful candidate who will fit in well with our thriving and forward-thinking department. Our teaching methods are in line with the objectives established in the Person Specification and overall, we seek to facilitate the growth and progression of our employees as well as the children they teach.

middle groups, and a slightly smaller bottom group to enable more support.

As a department, we have agreed on a whole-class, interactive teaching style. The students' response to this is positive, and parent feedback is encouraging.

The department is committed to supporting students' learning in and out of the classroom. We engage in many opportunities to enthuse and inspire our students. The department also enters students for the British Physics Olympiad Competitions.

Our department is well-resourced and offers students many opportunities to embellish their Physics education outside of the school grounds. Innovative teaching methods and new ideas for the future development of the course are always welcomed and encouraged.

assesses all work in terms of effort and attainment to further stretch gifted and talented students and provide additional support where needed.

Students are assigned homework once per 6 lessons in years 7-9. Key Stages 4 and 5 are expected to complete set homework where appropriate, being theory or project-based. Feedback is carried out quickly and accurately and is based on examination criteria where appropriate.

