

Dear Applicant

Thank you for requesting details of the post of Head of Physics at Newcastle High School for Girls. I hope that the enclosed information will encourage you to apply for very this important position in our successful and happy school. You will also find the School offers a very pleasant and supportive atmosphere in which to work.

I regard every member of staff as extremely important. It is essential that anyone joining Newcastle High School for Girls has the ability and drive to help us improve further by participating wholeheartedly in all aspects of school life and promoting our ethos.

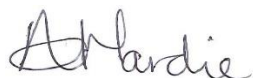
As Head of Physics in our all-girl setting, you will play a crucial role in inspiring the next generation of female scientists and engineers; fostering a passion for physics, mechanics, engineering and technology, and helping to address the persistent gender imbalance that exists in STEM by equipping girls with the skills, passion and confidence to be trailblazers and world shapers in these fields.

We are all committed to helping every individual in the School, both staff and pupils, achieve their full potential. We have a thorough Induction Programme for all staff and the Staff Room is lively and welcoming.

Extensive building and refurbishment programmes in recent years mean that both our Senior and Junior School sites have some of the most impressive school facilities in the region and, indeed, the UK.

I do hope that you will apply for this post. Newcastle High School for Girls is a wonderful School in which to work and this is an exciting opportunity. I look forward to hearing from you.

Yours faithfully



Mrs A Hardie
Head

About the School



Newcastle High School for Girls is the North East's leading independent girls' day school. Founded in 2014, following the merger of two very long-standing predecessor schools, NHSG is a state-of-the-art, modern school with a tradition and history stemming back almost 150 years.

We are an all-through school (ages 3-18) with around 250 girls in the Junior School and 450 in the Senior School, including over 100 in the Sixth Form, who, together with around 150 staff, make up a friendly and welcoming community.

The Junior and Senior Schools occupy their own separate campuses around a mile apart and this role is based at our Senior School site. Our two campuses are situated within the suburban, leafy areas of Jesmond and Sandyford, both with excellent transport links to the Tyne & Wear Metro and bus and rail services from across the region.

Our School is a very popular choice at all ages, with girls joining us from most parts of the Tyne & Wear metropolitan area, as well as areas further afield in Durham, Northumberland, the Tyne Valley, the Borders and Teesside.

Girls who attend NHSG are bright, enthusiastic, eager to learn and have high aspirations. Our public examination results are consistently outstanding, and girls go on to study a wide range of subjects at prestigious universities in the UK and abroad. NHSG is highly regarded for the way it achieves its outstanding outcomes within a particularly warm and supportive environment, with pastoral care and achieving the best for every girl at the heart of everything we do.

Overview of Head of Physics



Our Science Department consists of 7 state-of-the-art specialist laboratories, 1 science classroom and a flexible learning space/demonstration laboratory, allowing us to deliver larger practical sessions and lectures. We also have an outdoor science terrace where pupils can carry out practical work. To support the learning of our pupils, we have three highly experienced science technicians allowing us to carry out a curriculum rich in practical work. All laboratories are equipped with interactive digital display panels, a visualizer, additional white boards and gas guards.

At NHSG, pupils are taught by subject specialists in separate Biology, Chemistry and Physics lessons throughout Key Stage 3 and follow a bespoke curriculum designed to prepare them for GCSE Science. Our curriculum is challenging with a focus on developing enquiry and practical skills.

At Key Stage 4, all of our pupils follow one of two routes; either all three individual sciences or, the Combined Trilogy course. We currently follow the AQA specification for all GCSE science options.

At Key Stage 5, our pupils have the option to study A Levels in Biology, Chemistry and Physics. We currently follow the AQA courses for Biology and Chemistry and OCR for Physics. Each subject receives 10 lessons per fortnight taught, in each subject, by two specialist teachers. We consistently have large number of pupils choosing to study sciences at A Level. Our pupils go on to a variety of different careers including many choosing STEM courses at university, in particular, medicine, dentistry, pharmacy, veterinary science and engineering at the UK's most prestigious universities.

Members of our Science Department also teach our Key Stage 2 pupils in Years 5 and 6, who visit Senior School weekly, and we work with our Junior School colleagues to deliver part of the extensive Junior School science and technology curriculum. Our Junior School pupils also benefit from access to their very own specialist science teaching laboratory and technology classroom at Junior School, in addition to the outdoor learning facilities on the Junior School site.

At Senior School, enrichment is a huge part of what we deliver. We continue to build on the STEM enrichment programme from Junior School to help all pupils explore and learn about the diverse nature of STEM careers. We provide pupils of all ages a range of different opportunities to explore the STEM subjects outside of the classroom in the form of competitions, clubs, challenges, trips and residential courses.

Our Physics Department enhances our STEM agenda by supporting the Key Stage 3 STEM club, contributing to our outreach program, and running a KS4 physics club. Additionally, we provide support to pupils outside of lessons from KS3 to KS5. To further enrich the physics curriculum, the department organises trips to Durham University and CERN, and participates in various competitions annually, including the Formula 1 Challenge, the Engineering Education Scheme/CREST Awards and the Wonder Challenge.



About the Girls' Day School Trust



The GDST is a family of 24 independent schools and 2 all girls' academies across England and Wales. As specialists in girls' education, we tailor our teaching to the way girls learn best and instil in them the conviction that there is no limit to what they can achieve.

At GDST, we focus not only on what is learned but how it is learned. Ensuring our girls are confident and fearless, determined to show what they can do. Nothing holds our girls back – they are encouraged to embrace every role and subject and to aspire to be trailblazers and world shapers in anything they pursue. As a result, they trust their own abilities and are alive to every opportunity.

We concentrate on creating an environment where all can thrive and learn from one another. Physical and emotional well-being is paramount, which is why every GDST school provides an incredible array of extra-curricular activities and wellbeing programmes.

Within this family, networking opportunities enable staff to share best practice and develop initiatives that benefit all our schools and pupils. In addition to supporting the work of individual schools in providing excellent induction and development opportunities for staff, the GDST provides access to an extensive training programme, GDST Learn. This includes development opportunities and grants for some individual courses of study.