



PRIMED FOR SUCCESS

BUILDING UPON A CENTURY OF NGHS EXCELLENCE

The build (in figures)

75,347 £ to raise

100 seat dining room

714 m² of extra space

4 new classrooms

1 new science laboratory

30 seat computing suite

£2.3m project cost



Michael Scott
Headteacher

Thank you for taking an interest in our new campaign **PRIMED FOR SUCCESS**. The campaign's name reflects our sustained interest in developing better facilities for STEM (Science, Technology, Engineering and Mathematics) and you will see references to prime numbers throughout this brochure.

Following our successful Selective Schools Expansion Fund Bid in 2019, Newport Girls' High School has begun an exciting journey to further enhance its facilities for each and every student. We are thrilled to open a new laboratory, four classrooms and a brand new computer suite in late 2021. We will also convert our existing dining room into a drama studio. But there's more...we will finally be able to prepare food freshly on-site in our new dining room and kitchen. One hundred years of food prepared off-site will be no more.

As a graduate in arts and languages, it was immediately apparent when I first visited the school in 2017, that drama was missing from our curriculum. The opportunity now presents itself to offer this new and exciting subject to our students.

The cost of the build will be part funded by the Education Skills Funding Agency (ESFA) and the remainder as a loan to the School. **However, the cost of furniture and fittings must be found.** Whilst the intake of pupils will rise by 30 from 2021 to provide much needed income for the School, we must find the money for new equipment first and require your generous support.

Our mission is simple; we need to raise £75,347 (itself a prime number) to equip our new building with the best that we can afford for our students.

We kindly ask for your support in making a **one-off or monthly contribution (over 12 months)** or by helping run additional fundraising events over the next year. If a company you work for can help us, we would be thrilled to hear from you via pfs@nghs.org.uk

Everyone associated with NGHS wants to invest in your daughter's future and **together we can do this.** Thank you for your interest in the campaign and we hope you can support us to reach our goal.

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Julie Harris
Parent

One hundred years ago, when the School was founded, its aim was to support ‘the harmonious development of the individual’. That was the reason my family chose to send our daughter to NGHS. The new development continues that balance by offering a range of facilities. Working in IT, I am very aware of the gender imbalance in some sectors, so I am particularly pleased that we will have brand new facilities for computing, mathematics and science. The addition of a drama studio will help fill a long-standing gap in the curriculum, and the on-site kitchen will make a huge difference to the wellbeing of students and staff alike.

It is our unique culture that makes the school special, not the bricks and mortar – but bricks and mortar help! If you are able to, I hope that you will join me in investing in our daughters’ future by supporting our fundraising campaign.



Abigail Laycock
Head Girl

Having had a burning passion for the Arts since a very young age, drama facilities at school are something which I would have really appreciated. NGHS has always had an outstanding level of drama and music and a dedicated rehearsal space will only increase that standard. The proposed learning space will cultivate confidence and will offer new opportunities for all students. Furthermore, the new kitchens and the increase in capacity of the new dining room will allow more students to enjoy a freshly cooked meal at lunchtime, promoting a healthier eating attitude in our community.

Overall, these facilities will undoubtedly benefit the entire student body and, as a Year 13 student, I can only say I am jealous that I won’t be here to use them!



Amanda Seys
Staff Governor

I feel very privileged to be part of a community of staff, pupils and parents who share a common goal in working together to achieve the very best academic and personal outcomes. As a staff governor, I speak for all staff when I say that we are so excited about the opportunities that will be opened up for the whole school community by the new build, not least because it will enable us to expand our NGHS family by an additional thirty pupils per year, but we can also benefit from bright and modern surroundings with the top-class facilities that our students deserve.

The past 100 years have shown that NGHS students and alumnae are capable of achieving great things and driving progress in all sorts of arenas. This new build represents a step into the next centenary for our community, and I am very excited to see where that journey takes us.

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1920

The site on Wellington Road is officially opened. The school is housed around a central quadrangle with two upstairs rooms.

1993

The Art & DT rooms were added to fill in the quadrangle as well as Science Lab 15. The school still only has 32 students per year group.

2004

The rear corridor is added to the quadrangle with rooms 24-27 and lab 20 (then a computer room) now where our main biology lab. is.

2012

During 2011-12 additional 'wings' were added for music, MFL, food technology, a sports hall and 4 additional classrooms.

2018

The Inspiring Great Minds campaign raises £311,000 to fund the new Sixth Form Centre and Reception building.

2021

The school will finally benefit from its own kitchens, a new dining room, drama space, four classrooms, new laboratory and IT suite.

Timeline of school developments





When visiting other schools, particularly those which have benefited from recent new buildings, it is hard to not feel a sense of sadness for students at NGHS who are largely taught in a century old building in rather cramped surroundings.

Things began to change in 2018 with the creation of six modern classrooms in our latest building, which are providing new learning opportunities for pupils and staff alike. With your support, this will continue as we create four **new maths classrooms and a computer suite** on the first floor of our new

building. With the latest in interactive television technology, staff will be able to lead more interactive learning experiences and students will benefit from emerging pedagogical trends.

The new classrooms are large, well ventilated and will easily seat thirty students. A lift will provide access to the first floor for those who require it. With comfortable chairs and tables in each classroom, you can be assured that the learning environment will be accessible, comfortable and conducive to making maximum progress.

Live to learn - learn with joy

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The provision of a new dining room and kitchen will transform the service and standard of cuisine we can offer students at NGHS. As well as a new servery, we will provide a sumptuous sandwich, salad and soup bar. Fresh ingredients will be delivered daily and prepared before your very eyes! We look forward to working with the student body to determine what they would most like to eat at NGHS, whilst of course making best use of the brand new facilities.

Darren Barnes | Chef Manager | Servest



Eat Well—Eat Healthily—Eat Together



With science A-levels being amongst the most popular choices at NGHS, it is not surprising that the school needs additional laboratories. Our recent Wolfson Foundation bid of £40k allowed us to refurbish Lab 15 to an extremely high specification. We are therefore thrilled to repeat this project as part of our **PRIMED FOR SUCCESS** campaign.

Our new science laboratory, in what is currently classroom 22, will provide a high standard of specification for A-level science lessons, but will be used by students **in all year groups**. Gas supplies will be extended to the new laboratory and the room will be fitted with window blinds for physics experiments and a fume cupboard for chemistry. This project will benefit **every student** and will ensure that all science lessons can continue to be taught in laboratories as the school expands further.

Offering the best in STEM learning

£75,347, Our Shopping List, Ways to support us

Costed items	Cost
Dining furniture	£7,477
Classroom furniture	£15,137
Computer Suite	£23,493
Science lab stools	£1,155
Interactive technology	£23,100
Printers & resources	£4,291
Whiteboards	£694
Grand Total	£75,347

You can set up 12 monthly payments directly into our account or please use the form with this brochure and we will do the rest.

Friends of NGHS Account
Sort Code 30-96-02
Account 07160712

How to donate

We acknowledge that everyone's financial circumstances are different, but kindly ask for your support in making a **monthly payment** for the next twelve months from the cost of two coffees to any amount you feel you can afford.

A monthly giving scale is shown (using prime numbers in pence) and we ask that you complete a donation form with whatever you deem appropriate. Gift aid can massively help us to access additional funding.

One-off donations can also be made and donors are welcome to contact us via pfs@nghs.org.uk. The three highest donors will have the chance to name classrooms in the new building and a fourth room will be named by a donor (selected at random) who has donated **any amount** to the campaign. On behalf of the whole NGHS community, we thank you for your support.

'PRIME' Donation	Rough Cost Equivalence	Donation with Gift Aid
£7.51	2 Costa™ coffees	£9.39
£10.09	Two magazines	£12.61
£15.11	A take-away	£18.89
£20.03	A trip to the cinema	£25.04
£30.01	A pair of jeans	£37.51
£50.03	A month's gym pass	£62.54
£75.07	A meal out with family	£93.84
£99.73	A family food shop	£124.66



Sophie Germain
Visionary female prime number mathematician

Sophie Germain's interest in mathematics was borne out of a lockdown when, aged 13, she was confined to her parents' house during the French revolution. She entertained herself by learning about number theory using the books in her father's library. Her parents were appalled - **mathematics was a discipline reserved for men** - yet Sophie defied the ban that they imposed on her learning, sneaking into the library at night to study her father's books by candlelight. Aged 18, Sophie obtained lecture notes from the École Polytechnique and submitted a paper under the pseudonym Monsieur Leblanc. **Sophie Germain's most notable work included the discovery of Sophie Germain primes; a prime number is a Sophie Germain prime if $2p + 1$ is also prime.** Germain's work on prime numbers was an important step in proving Fermat's Last Theorem. Later publications by Sophie Germain regarding the theory of elasticity were instrumental in the building of the Eiffel Tower. Sophie's work on vibrating plates and elasticity resulted in her being the first woman to win a prize from France's Royal Academy. Her extraordinary achievements in an age when STEM education was the exclusive preserve of men have been increasingly recognised in recent years. Since 2003 the French Academy of Sciences has awarded **The Sophie Germain Prize** to outstanding students of mathematics.

Final words of inspiration



PRIMED FOR SUCCESS

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www.nghs.org.uk/primedforsuccess

Contact us via email | PFS@nghs.org.uk

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