

Barnwood Park



www.barnwood-park.gloucs.sch.uk



**Teacher of
Mathematics**
Candidate Information

September 2023



Dear Candidate,

Barnwood Park Vacancy

Thank you for your interest in a position at Barnwood Park School. We are looking to recruit a vibrant and enthusiastic candidate to join our team.

This is a very exciting time to be considering joining us as we have completed our transition to being a fully mixed, growing and successful comprehensive school. We have gone through a period of steep improvement since 2012. We won an award from the DfE in 2015 for being one of the most improved schools in the country and we were officially recognised as a Good school by Ofsted in 2019.

We have undergone a major refurbishment which saw the addition of a new Sports Hall, Dance and Drama Studios, IT suite, additional DT room and a new Physics Lab.

We are looking for a fellow professional who will support the school in its relentless focus on teaching and learning, seeking to increase the rates of progress and student achievements. We will offer you; a strong and supportive Leadership Group, an excellent body of motivated and innovative staff, a diverse group of hardworking youngsters of all abilities who thrive on caring, challenging and inspiring teaching as well as professional support and development opportunities, which will enable you to work creatively and innovatively in order to deliver high quality educational experiences for the students at Barnwood Park.

Visits to the school prior to application are welcomed, should you wish to do so. It is important that you feel a sense of belonging and add to the culture and ethos of our school – we are very proud of it. Please contact my PA Mrs Vicki Quinn on 01452 530389 or by e-mail vquinn@barnwood-park.gloucs.sch.uk to arrange an appointment.

Alternatively, please [click here to visit our website](#) and [here to view our Facebook page](#) to get a real flavour of our school.

Please also [click here to view our Open Day advert 2022](#)

I hope, that when you have read the information about the role and the school, you will be encouraged to apply for the post.

We look forward to receiving your application.

Yours sincerely

Karen Clinton
Headteacher



"Pupils are focused on their learning and show resilience and concentration."

(Ofsted 2019).



At Barnwood Park, we work hard to ensure our students feel safe in an environment where they learn effectively, enjoy their journey and be successful. All of our stakeholders join together and build strong relationships to become a part of the Barnwood Park family.

Staff at Barnwood Park are committed to ensuring that the students are supported and challenged through inspiring, high quality teaching and learning and through a broad and balanced curriculum which offers maximum opportunities for success both inside and outside of the classroom.

Effort and achievement is celebrated and rewarded to ensure students develop a pride in their work, themselves and in their school. We expect high standards whether it be through work ethic, behaviour or uniform. We all to work at being the best versions of ourselves we can possibly be and for this is reflected in everything that we do.



Teachers collaborate and dedicate themselves to continual professional development to ensure their lessons are as effective as they can be to aid student learning.

“The school is a welcoming and inclusive environment.”

(Ofsted 2019).

Staff Benefits

All Staff Benefits

- Comprehensive Employee Assistance Programme
- Onsite parking and cycle storage
- Free access to school fitness suite
- Family-focused leave
- Wellbeing afternoons
- Free tea and coffee
- Food offering before Parents' Evening
- Full access to an online CPD package & lots of career development opportunities
- Staff friendly Admissions Policy

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Teacher Benefits

- Strategically planned INSET to support PPA

Teacher of Mathematics

ECT/Main Scale/UPS



Full time or Job Share (0.4 – 0.6) will be considered for the right candidate(s)

Barnwood Park School is looking to appoint a full time, Mathematics teacher to deliver Mathematics across KS3 and KS4.

The successful candidate will be an excellent teacher, committed to teaching our students so that they acquire a deep, long-term, secure and adaptable understanding of mathematics. They will create opportunities for students to develop and master many aspects of mathematics through fluency, reasoning and problem solving.

If successful, you will join a team of exceptional teachers dedicated to sharing excellent practice and supporting one another. We actively participate in the GLOW Maths Hubs and UKMT challenges and competitions, which are dedicated to improving students' enjoyment, participation and achievement in mathematics. You will be part of a team that works hard to encourage students to embrace challenging tasks and persevere with their learning.

Barnwood Park is a co-educational 11-16 comprehensive school. This is a very exciting time to be considering joining us as we continue our transition to being a fully mixed, growing and successful comprehensive school. We have gone through a period of steep slope improvement since 2012. We won an award from the DfE in 2015 for being one of the most improved schools in the country and were officially recognised as a Good school by Ofsted in 2019.

We have undergone a major refurbishment which included the addition of a new Sports Hall, Dance and Drama Studios, IT suite, additional DT room and Physics Lab. Alongside this, we have seen an increase in our numbers and popularity. Our school size has increased, from a maximum of 150 students in each year group to 180 since 2019. We are fully subscribed for Year 7 in September 2023 and were reported last year as the most over-subscribed school in the county of Gloucester.

Barnwood Park has a committed staff team and a very high staff retention rate. We are looking for a professional teacher who will complement our team and support the school in its relentless focus on teaching and learning, seeking to increase the rates of progress and student achievements. We have a comprehensive and exciting CPD programme for all staff, so whether you are an experienced teacher or an ECT, we can offer you plenty of opportunities to develop.

In addition to this, we can offer you:

- A strong and supportive Leadership Group
- An excellent body of motivated and innovative staff
- A diverse group of hardworking youngsters of all abilities who thrive on caring, challenging and inspiring teaching
- Professional support and development opportunities which will enable you to work creatively and innovatively in order to deliver high quality educational experiences for the students at Barnwood Park.

This post would be very suitable for an Early Career Teacher (ECT), who would receive excellent support from the Maths Department and Deputy Headteacher overseeing ECTs in school to feel happy, successful and part of the Barnwood Park family.

The departmental information will provide you with more details of the candidate specifications and school resources.

Visits to the school are welcome by prior arrangement.

For further information, please visit the school website vacancies page www.barnwood-park.gloucs.sch.uk

To apply please download and complete the application form and return with a covering letter to the Headteacher, either by post to Barnwood Park School, St Lawrence Road, Barnwood, Gloucester, GL4 3QU or by e-mail to hr@barnwood-park.gloucs.sch.uk

Employment is subject to a satisfactory enhanced disclosure from the Disclosure and Barring Service (DBS).

You are advised to submit your application as soon as possible as we reserve the right to close posts at any time, once we have received sufficient applications.

Barnwood Park School is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment. We welcome applications from all sections of the community irrespective of race, gender, sexual orientation, disability, religion or age.

Copies of the following policies relevant to the recruitment process can be found on our website www.barnwood-park.gloucs.sch.uk

- Safer Recruitment Policy, • Recruitment of Ex-Offenders Policy, • Equality Policy (p12)

Mathematics Department Information



Our Curriculum intent for Mathematics at Barnwood Park School

We reject the idea that a large proportion of people 'just can't do mathematics'. All our students are encouraged in the belief that by working hard at mathematics, they can succeed and no one views making mistakes as failure but as a valuable opportunity for new learning. Our department is involved in the GlowMathsHub work groups and the principles of TfM (Teaching for Mastery) are a key feature of our department.

Mastering mathematics means developing procedural fluency and conceptual understanding in tandem, since each supports the other. Students learn with a high level of teacher-student and student-student interaction where everyone in the class are thinking about, working on and discussing the same mathematical content. We provide challenge and the opportunity to deepen understanding of the key mathematical ideas through reasoning and problem solving tasks. These tasks allow students to make useful connections between key mathematical ideas.

Our students recognise that when they are willing to invest effort and time in mathematics and persist at trying to solve problems the learning that took place in the lesson will be remembered in future lessons.

Implementation and Sequencing in Mathematics

Mathematics is an interconnected subject in which students need to be able to move fluently between representations of mathematical ideas (DfE, 2014).

Although we have organised our five-year mathematics program of study into 14 key themes, they have been sequenced in such a way that one theme builds on the next and allows connections to be made. It is important not to perceive each theme as isolated but as an opportunity to build on the previous learning and for subsequent learning to incorporate aspects of current learning. We call this interleaving practice. Evidence has shown that encouraging interleaving practice enables better long-term retention (Robert Bjork, goCognitive, July 2014). Within each topic we design tasks that help students make rich connections across mathematical ideas, develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems. We think carefully about the sequencing of that topic and look into other things students will need to know.

An important element of secure and deep learning is revisiting the key concepts and adding new information, which links and connects to prior schemata (Myatt, 2018, p. 66). We facilitate this in three ways. Firstly, we deliver an aspect of the 14 themes every year, revisiting and building upon the key mathematical ideas within those themes, secondly we have designed our homework booklets to cover key concepts from previous years and thirdly low stakes retrieval practice on prior learning begins each lesson.

Our expectation is that the majority of pupils will move through our programmes of study at broadly the same pace. However, we always base this decision on the security of students' understanding and their readiness to progress to the next stage. We challenge students who grasp concepts rapidly by offering rich and sophisticated problems before any acceleration through new content. Those who are not sufficiently fluent with earlier material are encouraged to consolidate their understanding, including through additional practice, before moving on.



Impact

Not only do we believe that every student has an entitlement to study mathematics but that it is a subject that has many intrinsically interesting facets that when learned can be extremely emancipatory for them. Mathematics has a real role to play in life. We recognise that students without knowledge and understanding of mathematics will have worse life chances than those that do (Tim Oates, Powerful Knowledge and the National Curriculum, March 2014).

We teach mathematical concepts, content and procedures that embed and build upon mathematical learning from KS2 and provide a strong foundation for further academic and vocational study and for employment. Students leave us at the end of year 11 with the appropriate mathematical skills, knowledge and understanding to help them progress to a full range of courses in further and higher education.

We have elected to assess students using GCSE grades, in all year groups. Students sit an Edexcel GCSE paper, modified as appropriate, on a regular basis, in a formal setting. This regular on-going assessment provides both teacher and student with information regarding current attainment and the 'learning gaps' that may exist. When students complete an assessment, they use Pinpoint Learning to analyse their individual learning gaps. Each student has a tracking grid to track their progress from their first assessment in year 7 right through to year 11. In Year 11, students enter for either the 'Higher' or the 'Foundation' Edexcel GCSE examination. We aim to enable students to achieve their full potential in external examinations so that they can continue to study mathematics further.

The Mathematics Team

Comfort Taiwo – Head of Department:

Sarah Stanton—2iC

Kim Bennett

Stuart Day

Gareth Lewis

Olivia Neale

Jessica Rhodes

Current vacancy