



**Mayfield Grammar School
Gravesend**

**Appointment of
2nd in Mathematics Department
required from September 2022**

**Closing date: 1.00 p.m. Wednesday 30th March
Interviews to be held week beginning 19th April 2022 (due to
Easter Holidays)**



Mayfield Grammar School

Gravesend

Pelham Road, Gravesend, Kent DA11 0JE
Telephone: 01474 352896 Fax: 01474 331195
Website: www.mgsg.kent.sch.uk Email: enquiries@mgsg.kent.sch.uk

2nd in Mathematics Department

Required from September 2022 Main Professional Scale/UPS Full time position

This is an exciting opportunity for an enthusiastic and committed Teacher of Mathematics. The opportunity to teach AS/A Level Mathematics would be available for a suitable candidate. You will be joining a very successful department within a high performing 11-18 selective girls' school with boys in the Sixth Form.

We are looking to appoint a well-qualified colleague on the Main Professional Scale or UPS who is flexible, highly motivated and creative with a sound knowledge of their subject who can maintain the excellent results in this popular area of study.

The person appointed will receive high quality mentoring and support and there is also plenty of scope to be involved in a wide range of extra-curricular activities.

The school has a high profile for achievement locally and nationally and prides itself on its strong record of internal professional development. The school was judged by Ofsted to be 'Outstanding' in all categories of inspection in June 2013.

Further details and an application form are available from the Staff Vacancies section of the school website www.mgsg.kent.sch.uk

Applications made via TES Online will be accepted.
CVs will not be considered and should not be submitted.

All applications with a covering letter addressed to Mrs E Wilson, Headteacher must be received by **1.00 p.m. Wednesday 30th March 2022**

Interviews to be held week beginning 19th April 2022 (due to Easter holidays)

This school is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.



Mayfield Grammar School, Gravesend

Mayfield Grammar School, Gravesend is a selective girls' school with boys in the sixth form which is situated in the town of Gravesend, with easy access to the A2 and M25 and a direct rail link to Charing Cross. In February 2012 we converted to Academy Status and the school celebrated its Centenary throughout 2014/15.

The school occupies two sites. One houses the original 1926 building with its distinctive quadrangle and bell tower, surrounded by its playing fields. New Science, Technology and Dining facilities opened across 2020-2021. The other has specially designed facilities for Technology, Sports and Drama opened in 1995. There is ICT provision on both sites and a new teaching block will open in September 2021 to house our Learning Resources Centre, Music, Multi-purpose Sports Hall, additional classrooms and specialist IT rooms.

The school is an 11-18 grammar school. Entry at age 11 is via the Kent 11 plus selection procedure comprising nationally standardised Verbal, Non-Verbal and Mathematics tests. The procedure allows admission of the top 25% of the ability range. An optional additional opportunity to assess eligibility for admission is available through the Mayfield testing procedure.

The school was judged to be Outstanding by Ofsted in June 2013. Ofsted reported that "achievement in all subjects including English and Mathematics is exceptionally high" and that "The behaviour of students is exemplary. They engage enthusiastically with their learning, are courteous, polite and keen to contribute fully to the life of the school".

We are an outward looking school determined to provide the highest quality education by capitalising on opportunities available to the school. We work as a team where the contributions of all the staff are equally valued. We place major importance on providing new staff with an effective induction into the school and all staff are constantly seeking to improve their professional practice through external and internal training. Governors, parents and the community are extremely supportive of the work of the school.

The Senior Team consists of the Headteacher, a Deputy Headteacher and five Assistant Headteachers. Curriculum Leaders lead their subject teams to ensure a high-quality teaching and learning experience for all our pupils. Pastoral care is led by an experienced team of Learning Leaders who work with Form Tutors and are supported by Key Stage Co-ordinators (AHTs). A House System was introduced in September 2013. Merit points are given to students during the year and the Aster Trophy is awarded to the House with the most points overall.

The teaching staff are supported by Administrative Staff in the main office, a Reprographics Assistant, Librarians, Finance staff, an Assessment Officer, a Cover and Examinations Officer, a Pastoral Support Manager, Cover team and a team of Technicians. A Premises Manager, supported by two assistants, looks after the two sites.

The curriculum follows National Curriculum guidelines. All students have the opportunity to gain ten or eleven GCSEs at the end of Year 11.

There are circa 1319 students on roll, 234 of whom are in the Sixth Form.

From 2018, we expanded the Pupil Admission Number (PAN), to 180. For the last five years, the school has admitted above PAN, and from September 2021 will be increasing our PAN to 210.

Extra-curricular activities include a full sporting programme, choirs, orchestras and other club activities. A large number of students participate in the Adventure Service Challenge (Lower School) and the Duke of Edinburgh Award scheme (Upper School and Sixth Form). There are Conferences, the Graduation Ball and discos for students run in conjunction with Gravesend Grammar School. The school enjoys strong links with the local business community and runs a full Careers (CEIAG) programme. The school runs an extensive programme of trips and visits both home and abroad for all year groups.

Mayfield Grammar School, Gravesend is a happy community where relationships are exceptionally good.

This is a non-smoking school.

Anyone interested in the school is welcome to visit our website at www.mgsg.kent.sch.uk

March 2022

Mayfield Grammar School, Gravesend

MATHEMATICS DEPARTMENT

A position has arisen for a Teacher of Mathematics. The person appointed will join a lively, experienced, enthusiastic and academically successful Mathematics Department which comprises a Faculty with Computing and Economics.

Mr Simon Windle	Faculty Leader and Teacher of Mathematics
Mr Daniel Moore	Second in Faculty and Teacher of Mathematics
Mrs Anita Ashton	Teacher of Mathematics
Mr Rob Boyce	Assistant Headteacher (Assessment Progress & Achievement) and Teacher of Mathematics
Miss Grace Bromby	Teacher of Mathematics
Mrs Charlotte Byatt	Learning Leader and Teacher of Psychology and Mathematics
Mrs Kawalpreet Kaur	Teacher of Economics and Mathematics
Mrs Theresa Lee	Learning Leader, SEND Co-ordinator and Teacher of Mathematics
Mrs Erika Mountcastle	Assistant Headteacher (Learning & Teaching) and Teacher of Business and Mathematics
Miss Abby Newman	Teacher of Mathematics and Psychology
Mr Ben Stephenson	Teacher of Mathematics

The department is supported by a technician, Mr Bobby Bahra, who is shared with the Economics and Modern Foreign Languages Departments.

The Mathematics Department aims to provide all MGSG's students with a high degree of confidence and competence in the subject, by understanding the curriculum, making connections that enable progress in other subject areas and developing skills that will be useful in life beyond the school. The Department has supported students to achieve some very pleasing external examination results in recent years.

Lower School

Students in Years 7 and 8 are taught using the Collins National Mathematics Frameworking 3rd Edition textbooks. All students in Year 7 have seven 1 hour lessons per fortnight which reduces to six 1 hour lessons in Year 8. In Year 7, students are taught in their tutor groups but they are set for Year 8. Assessments at the end of every topic are undertaken throughout the two years. During this time, students are taught work up to GCSE Grade 6 but including opportunities for mental arithmetic and functional mathematics practice, largely through Numeracy Ninjas. At every fixed assessment point, the results from assessments completed by all classes since the last assessment point are collated into one overall grade so that students' progress can be regularly monitored by parents. The Department also uses MyMaths, MathsWatch, GCSEPod and various PowerPoint presentations to help with students' learning.

The topics covered across the two years are categorised as:

Decimals, Fractions and Percentages
Shape, including area and volume, geometry
Calculating with Numbers
Algebra
Co-ordinates, Graphs and Mapping
Handling Data
Units of measure, ratios and proportion
Probability
Ratios and Proportion
Simultaneous Equations
Plotting Graphs

Upper School

For Years 9-11, students are initially set based largely on their end-of-Year 8 examinations, with a higher, two middle and a lower set, although this will change for 2022-23 as the current Year 8 have an additional tutor group. Students can move sets during the course of the year but most changes occur at the end of Years 9 and 10 and after Year 11 January mock examinations. From 2020-21, AQA GCSE Further Mathematics became an option subject so that students can devote all core Mathematics lessons to the GCSE Mathematics content, allowing the most able more time for practice and a greater chance of securing the best grade possible. These students then sit both their compulsory Edexcel GCSE Mathematics and this additional course in May/June of Year 11. Students are taught using the Collins Edexcel GCSE Mathematics Higher Student Book and retrieval learning is encouraged through regular use of Corbett 5-a-day, working through from Foundation to Higher Plus over the three years as is appropriate for each set. All students in Year 9 have seven 1 hour lessons per fortnight but students in Years 10 and 11 have six 1 hour lessons per fortnight.

As in the Lower School, at every fixed assessment point, the results from assessments completed by all classes since the last assessment point are collated into one overall grade so that students' progress can be regularly monitored by parents. The Department also uses MyMaths, MathsWatch, GCSEPod and various PowerPoint presentations to help with students' learning.

The topics covered across the three years are categorised as:

Trigonometry & Pythagoras
Leftover Mensuration Topics
Similar Triangles & Rates of Change
Calculations
Measures and accuracy
Factors, powers and roots
Expressions
Equations and inequalities
Circles and constructions
Fractions, decimals and percentages
Ratio and proportion
Units and proportionality
Sequences
Graphs
Handling data
Working in 2D and 3D
Angles and polygons
Formulae and functions
Probability
Combined events

Sixth Form

A Level Mathematics is a popular option for students. Those who wish to study the subject have to sit a Fundamentals Test, largely based upon their algebraic knowledge from GCSE Mathematics, at the beginning of Year 12, for which they are expected to demonstrate a sufficient understanding of key topics. All students in Year 12 study Edexcel's compulsory Core, Statistics and Mechanics elements. Students complete standard homework assignments for all modules to demonstrate that they have gained sufficient understanding. Whilst Mathematics is one of the few subjects where the AS qualification is permissible, very few students each year decide to stop their studies at this stage.

Further Mathematics is also offered as an option for the most able Mathematicians. As from 2019-20, we have started to deliver the two courses sequentially, meaning that the class of future Further Mathematicians studies all of A Level Mathematics throughout Year 12 and will start Further Mathematics when that course has been completed. However, students will still take both sets of examination in May/June of Year 13.

Another change for 2019-20 was the introduction of Mathematics in Context delivered to Year 12. Whilst there is only a small class at present, more Year 11 students opted for it in 2020-21 and so we anticipate that this will become an integral part of the Sixth Form offer made by the department to students who wish to be taught at MGSG.

Job Description

Post Title:	Second in the Mathematics Department	TLR	2C (£2,873)
Post Holder:			
Purpose:	<ul style="list-style-type: none"> • To be responsible for coordinating Years 7 to 8 Mathematics. • To support the teaching practice and projects of others within the subject area. • To ensure the provision of an appropriately broad, balanced, relevant and differentiated curriculum for students in Years 7 to 8, in accordance with the aims and the curricular policies of the school. • To monitor and support the overall progress and development of students in Years 7 to 8. • To promote reading for pleasure with particular emphasis on years 7 to 8. • To ensure the effective and efficient deployment of targeted classroom support and intervention across Mathematics. 		
Reporting to:	Faculty Leader Mathematics, Computing and Economics		
Liaising with:	Head/Deputies, relevant colleagues and support staff, external agencies and parents/carers and department technician.		
MAIN (CORE) DUTIES			
Operational/ Strategic Planning	<ul style="list-style-type: none"> • To lead and coordinate the development of appropriate syllabuses, resources, schemes of work, marking policies, assessment and teaching strategies within Mathematics in consultation with the Curriculum Leader. • To actively monitor and follow up student progress with the support of the Curriculum Leader. • To assist in the implementation of school Policies and Procedures. • To work with colleagues to formulate aims and objectives for the department which have coherence and relevance to the needs of students and to the aims of the school. • To incorporate the use of ICT and e-learning programmes in supporting Teaching and Learning in the subject, including departmental use of the VLE. 		
Curriculum Provision and Development:	<ul style="list-style-type: none"> • To liaise with the Curriculum Leader to ensure the delivery of an appropriate, comprehensive, high quality and cost-effective curriculum programme which complements the school's strategic objectives including the school "Aim Higher" agenda. • To support curriculum development within the whole Faculty with particular emphasis on Years 7 to 8 including enrichment opportunities and cross-curricular projects. • Complete draft setting for Years 8 and 9 leading to finalised set determination, informing students at the end of each academic year and preparing updated departmental records for the following year. • To keep up to date with national developments in the subject area, teaching practice and methodology. • To actively monitor and respond to curriculum development and initiatives at national, regional and local levels including Prevent, Citizenship, SMSC and Careers Education (CEIAG). 		
Staffing Staff Development:	<ul style="list-style-type: none"> • To work with the Curriculum Leader to ensure that staff development needs are identified and that appropriate programmes are designed to meet such needs. 		

Recruitment/ Deployment of Staff:	<ul style="list-style-type: none"> • To contribute to Performance Management Review and to act as reviewer for a group of staff within the subject area as required. • To promote teamwork and to motivate staff to ensure effective working relations. • To ensure the effective efficient deployment of classroom support. • To liaise with teaching assistants and learning support staff to provide appropriate intervention and support for students with additional learning needs. • To participate in the school's ITT/ECT programme as and when required. • To participate in the interview process for teaching posts as required.
Quality Assurance:	<ul style="list-style-type: none"> • To assist in the process of the setting of targets in the Lower School and to work towards their achievement. • To help to establish common standards of practice and develop the effectiveness of teaching and learning styles within the department. • To implement school quality procedures and to ensure adherence across the department. • To participate in the monitoring and evaluation across the department in line with agreed school procedures as laid out in the policy. • To seek/implement modification and improvement where required in Mathematics as directed by the Curriculum Leader. • To take the lead for the organisation of internal assessment reviews, examination administration and evaluation/analysis of results within the Lower School and year 9.
Student Performance:	<ul style="list-style-type: none"> • To ensure the maintenance of accurate and up to date information concerning the subject on the management information system. • To assist in the use of analysis and evaluation of performance monitoring and evaluation data. • To assist in the production of reports on examination performance, including the use of value-added data.
Communication:	<ul style="list-style-type: none"> • To follow agreed procedures for communication within the school. • To ensure effective communication/as appropriate with the parents/carers of students. • To liaise with partner schools, higher education, Examination Boards and other relevant external bodies as required. • To contribute to the school liaison and marketing activities, eg: the collection of material for press releases. • To contribute to the development of effective subject links with partner schools and the community, attendance where necessary at liaison events in partner schools and the effective promotion of all key stages at Open Days/Evenings and other events in partner schools and the wider community. • To actively promote the development of effective subject links with external agencies. • To liaise with feeder Primary Schools to secure effective transition from Key Stage 2 and to organise any data for Year 7 staff to support transition.
Management Of Resources:	<ul style="list-style-type: none"> • To help identify resource needs and to contribute to the efficient/effective use of physical resources and take responsibility for the classrooms used for the teaching of the subject.

	<ul style="list-style-type: none"> To co-operate with other departments to ensure a sharing and effective usage of resources to the benefit of the school and the students.
Pastoral System:	<ul style="list-style-type: none"> To undertake the role of Classroom Teacher and Form Tutor (see separate document).
Other Specific Duties	<ul style="list-style-type: none"> To play a full part in the life of the school community, to support its distinctive ethos and to encourage staff and students to follow this example. To undertake any other duty as specified by STPCB not mentioned in the above. Meet fortnightly with department prefects to positively promote Mathematics. To take administrative responsibility for current and new initiatives such as but not exclusively Functional Mathematics, Mathematics Help Clinics, Mathematics Challenges and other competitions, wider STEM activities and Year 9 and 12 Master classes.
<p>Whilst every effort has been made to explain the main duties and responsibilities of the post, each individual task undertaken may not be identified.</p> <p>Staff are expected to undertake any other duties as may be reasonably expected.</p> <p>Staff are expected to uphold the ethos of the school in all aspects of their work.</p> <p>The school will endeavour to make any necessary reasonable adjustments to the job and the working environment to enable access to employment opportunities for disabled job applicants or continued employment for any employee who develops a disabling condition.</p>	

This job description is current at the date shown, but, in consultation with you, may be changed by the Headteacher to reflect or anticipate changes in the job commensurate with the grade and job title.

Signed:	Date:
---------	-------

Job Description

Post Title:	Classroom Teacher
Post Holder:	
Purpose:	<ul style="list-style-type: none"> • To implement and deliver an appropriately broad, balanced, relevant and differentiated curriculum for students and to support a designated curriculum area as appropriate. • To monitor and support the overall progress and development of students as a teacher/Form Tutor. • To facilitate and encourage a learning experience which provides students with the opportunity to achieve their individual potential. • To contribute to raising standards of student attainment. • To share and support the school's responsibility to provide and monitor opportunities for personal and academic growth. • To play a full part in the life of the school community, to support its distinctive ethos and to encourage colleagues and students to follow this example.
Reporting to:	Curriculum Line Manager
MAIN (CORE) DUTIES	
Operational/ Strategic Planning	<ul style="list-style-type: none"> • To assist in the development of appropriate syllabuses, resources, schemes of work, marking policies and teaching strategies in the Curriculum Area and Department. • To contribute to the Curriculum Area development plan and its implementation. • To contribute to the whole school's planning activities.
Curriculum Provision:	<ul style="list-style-type: none"> • To assist the Faculty and/or Subject Leader to ensure that the curriculum area provides a range of teaching which complements the school's strategic objectives.
Curriculum Development:	<ul style="list-style-type: none"> • To assist in the process of curriculum development within the subject area and change so as to ensure the continued relevance to the needs of the students and the school's Strategic Objectives. • To assist the Subject Leader to identify resource needs and to contribute to the efficient/effective use of physical resources.
Staffing Staff Development: Recruitment/ Deployment of Staff:	<ul style="list-style-type: none"> • To take part in the school's staff development programme by participating in arrangements for further training and professional development. • To continue personal development in the relevant areas including subject knowledge and teaching methods. • To engage actively in the Performance Management Review process. • To ensure the effective/efficient deployment of classroom support where appropriate. • To work as a member of a designated team and to contribute positively to effective working relations within the school.
Quality Assurance:	<ul style="list-style-type: none"> • To contribute to the process of monitoring and evaluation of the curriculum area/department in line with agreed school procedures, including evaluation against quality standards and performance criteria. To seek/implement modification and improvement where required.

Teaching:	<ul style="list-style-type: none"> • To teach students according to their educational needs, including the setting and marking of work to be carried out by the student in school and elsewhere. • To assess, record and report on the attendance, progress, development and attainment of students and to keep such records as are required. • To provide, or contribute to, oral and written assessments, reports and references relating to individual students and groups of students. • To ensure that ICT, Literacy, Numeracy and school subject specialism(s) are reflected in the teaching/learning experience of students. • To undertake a designated programme of teaching. • To ensure a high-quality learning experience for students which meets internal and external quality standards. • To prepare and update subject materials/share with colleagues in the team. • To use a variety of teaching and learning approaches which will stimulate learning appropriate to student needs and demands of the syllabus. • To maintain discipline in accordance with the school's procedures and to encourage good practice with regard to punctuality, behaviour, standards of work and homework. • To undertake assessment of students as requested by external examination bodies, departmental and school procedures. • To mark, grade and give written/verbal and diagnostic feedback as required. • To communicate effectively with the parents of students as required. • To maintain appropriate records and to provide relevant accurate and up to date information for the management information system. • To complete the relevant documentation to assist in the tracking of students. • To track student progress and use information to inform teaching and learning.
Form Tutor Role:	<ul style="list-style-type: none"> • To promote the general progress and well-being of individual students and of the Form Tutor Group as a whole. • To be the first point of contact for students in the tutor group for both academic and welfare concerns. • To maintain effective communication between students in the tutor group, staff and parents in relation to the students' progress and welfare. • To liaise with a Learning Leader to ensure the implementation of the school's Pastoral System. • To register students, accompany them to assemblies and remain with them as appropriate, encourage their full attendance at all lessons and their participation in other aspects of school life, including form assemblies and form council meetings. • To evaluate and monitor the progress of students and keep up to date student records as may be required. • To contribute to the preparation of Action Plans, progress files, reviews and school reports. • To alert the appropriate staff to problems experienced by students and to make recommendations as to how these may be resolved.

	<ul style="list-style-type: none"> • To communicate as appropriate, with the parents of students and with outside agencies. • To contribute to PSHE and citizenship and enterprise learning according to school policy. • To apply the Behaviour Management systems so that effective learning can take place. • To make effective use of form time to progress student learning.
--	---

--	--

Other Specific Duties	<ul style="list-style-type: none"> • To support the school in meeting its legal requirements for worship. • To promote actively the school's corporate policies. • To comply with the school's Health and Safety policy and undertake risk assessments as appropriate. • To know and follow school policy and statutory guidance with regard to the welfare and safeguarding (including Prevent and FGM) of all students in your care. • To support the wider life of the school by supporting (when requested) the Mayfield Challenge Co-ordinators in attending the camps that operate in Year 7 and Year 8 or/and support the school's DofE (<i>Duke of Edinburgh's Award</i>) Leader (when requested) by attending expeditions/training days as appropriate. A separate allowance may be applicable for certain activities. The school will seek staff volunteers in the first instance to support these activities before requesting individual staff to participate as laid out in this job description. • First Aid qualification (or willing to train) preferred. • To support Sixth Form students in the completion of the EPQ as directed by the school. This will include monitoring student progress and assessment of student work. • To undertake any other duty as specified by STPCB not mentioned in the above.
------------------------------	--

<p>Whilst every effort has been made to explain the main duties and responsibilities of the post, each individual task undertaken may not be identified.</p> <p>Staff are expected to undertake any other duties as may be reasonably expected.</p> <p>Staff are expected to uphold the ethos of the school in all aspects of their work.</p> <p>The school will endeavour to make any necessary reasonable adjustments to the job and the working environment to enable access to employment opportunities for disabled job applicants or continued employment for any employee who develops a disabling condition.</p>	
--	--

<p>This job description is current at the date shown, but, in consultation with you, may be changed by the Headteacher to reflect or anticipate changes in the job commensurate with the grade and job title.</p>	
---	--