**Queen Elizabeth Grammar School Penrith**

****

**Application pack for**

**Teacher of Mathematics**

**Queen Elizabeth Grammar School Penrith**



**Ullswater Road, Penrith, Cumbria CA11 7EG**

Telephone: 01768 864621

reception@qegs.cumbria.sch.uk

www.qegs.cumbria.sch.uk

Headteacher: Mr P Buckland M.A.

April 2021

Dear Candidate

The post provides an opportunity to join a large and very successful department, which is one of the most popular subjects in the school at A Level.

You will benefit from working with a very experienced and dedicated team of specialists. The successful candidate should be able to teach across the age range, or be prepared to do so with support and guidance. We therefore welcome applications from experienced teachers and NQTs.

We welcome applications from anyone who feels they can meet the requirements of the enclosed Job Description and Person Specification and who will enjoy working in a busy school environment. Before applying, please have a look at our website [www.qegs.cumbria.sch.uk](http://www.qegs.cumbria.sch.uk) which I hope will give you a taste of the ethos and atmosphere of the school.

I look forward to receiving your application.

Yours faithfully



Mr Buckland

**Headteacher**



**Queen Elizabeth Grammar School Penrith**

A mixed selective academy

Roll: 954 including 230 in the Sixth Form

Ofsted: Outstanding in every category

**Teacher of Mathematics**

**Main Scale Full Time / Permanent**

***Required for September 2021***

*We wish to recruit an enthusiastic teacher of Mathematics to join a highly successful department. You will benefit from working with a very experienced and dedicated team of specialists. The successful candidate should be able to teach across the age range, or be prepared to do so with support and guidance. We therefore welcome applications from experienced teachers and NQTs. The ability to teach an additional subject would be advantageous, but not essential.*

*We are committed to safeguarding and promoting the welfare of children. The post is subject to an enhanced DBS check and satisfactory references.*

***Deadline for all applications: 9am, Monday 17th May***

Application packs and forms via

our website [www.qegs.cumbria.sch.uk](http://www.qegs.cumbria.sch.uk) or

from the Head’s PA, Miss Lucy Murray [secretary@qegs.cumbria.sch.uk](mailto:secretary@qegs.cumbria.sch.uk)

Completed application forms must be emailed to secretary@qegs.cumbria.sch.uk

**Queen Elizabeth Grammar School Penrith**

**The Maths Department**

**The post available**

Queen Elizabeth Grammar School is a selective, 11-19 co-educational secondary school with 954 pupils. We have the full time equivalent of 50 teaching staff. We are currently a Mathematics Collaborative Network Regional Hub Centre for Edexcel. The school has been involved in the NCETM Teaching for Mastery Programme with the Head of the Department having taken part in a DfE teacher exchange trip to Shanghai.

We now have a vacancy for a permanent, full-time Teacher of Mathematics from September 2021.

**The Department will comprise:**

Staff Head of Mathematics Mrs Nadine Ford BSc

Second Mr Shaun Conner BSc PGCE

Teachers of Mathematics Dr Elaine Mawson BA, MBA, EdD, PGCE

Mr Steve Jones BSc PGCE

Mr Andrew Field BSc PGCE

Mr Matthew Atkinson MSc, PGCE

Mr Merlin March BSc PGCE

Mr Mark Rosa MMath PGCE

Mr Owen Price Jones Bsc PGCE

**Results**

The Mathematics Department has achieved considerable success in recent years. In recent years, around 60% of our Year 11 pupils gained a grade 7 or above at GCSE and the majority of pupils achieve a grade 5 or above. Around 40 of our Year 11 students take the Level 2 Further Maths Exam in addition to their GCSE each year. Mathematics is one of the most popular subjects in the Sixth Form, often with close to a half of our Sixth Form choosing to study Maths. At A Level in the last few years, around 70% of candidates gained a grade A\*, A or B in Mathematics and Further Mathematics. We also enjoy considerable success in the UK Maths Challenges; with students getting through to the next rounds including the Olympiad regularly.

**Curriculum**

Mathematics is taught by an experienced team of specialists who are committed to a mastery approach to teaching. Year 7 and Year 8 pupils are taught in their form groups. From Year 9 onwards the forms are sorted into teaching groups according to ability although the setting is broad. There are currently four groups of students in each year of the Sixth Form, three are studying A-level Mathematics and one group studies Further Mathematics as well.

One of the strengths of the department is the level of support available to individual students, from support with STEP papers and Oxbridge entry, to a weekly lunchtime Maths Clinic.

**Accommodation and Resources**

We have a suite of five classrooms, most of which are equipped with Interactive Whiteboards and a wide range of other resources. We use a variety of resources for KS3 with Years 7 and 8, and all pupils have their own copy of a homework textbook at home. From Year 9 onwards, pupils use a GCSE textbook as their main resource. We have class sets of the Collins GCSE Maths textbook in each classroom and a copy of the homework book for each pupil to keep at home. All pupils are aiming to take the Higher Tier GCSE and will be entered for the Edexcel exams. We currently use the Edexcel A-level textbooks to support our teaching of Edexcel A-level. We have a large range of written and practical resources available, which we use to enrich our teaching.

As well as the ICT facilities in all of our teaching rooms, we have an Interactive Voting System, two sets of Promethean Expression Student Response Systems and a class set of Graphical Calculators.

**Maths Department Vision Statement**

The maths department at QEGS aims to be a lead school in Maths teaching. The teachers work together to consider ways to deliver a topic and share ideas, resources and methods with each other to promote high quality teaching. The department is made up of confident, strong mathematicians who can break down topics into the key learning points and expose the multiple connections between topics. Our teachers aim to ensure that students have a deep understanding of the topics they cover and are not reliant on quick procedural tricks. In order to achieve this, students will be set tasks that encourage them to think in lessons.

Students will become accustomed to problem solving, be unafraid to make mistakes and have strong resilience when tackling questions. Students are asked stretching questions about concepts and every student is expected to answer in full sentences using clear accurate mathematical language. Students are encouraged to take part in maths competitions and other extra curricula activities to support their enjoyment of maths.

Maths is a popular subject that students feel confident with and enjoy. Lessons are engaging, challenging, well planned and dynamically delivered. Topics are taught in a consistent way across years and lessons highlight connections between topics through discussion and use of questions that use prior knowledge alongside new knowledge.

Students are supported to reach their potential regardless of their mathematical ability in Year 7. Extra support is provided through a buddying system and maths clinics as well as additional teacher support. The maths department maintains strong relationships with parents, recognising that they are a key stakeholder and that working with them will benefit students.

**Queen Elizabeth Grammar School Penrith**

**Person Specification for Teacher of Mathematics**

**Qualifications**

* Good Honours Degree in Mathematics, or a related subject.
* Postgraduate Certificate of Education or equivalent teaching qualification.
* Secondary school trained.

**CPD**

* Enthusiastic to develop and extend further own teaching skills, subject knowledge and expertise.

**Experience**

* Experience of and/or affinity for teaching very able children (teaching practice experience acceptable).

**Teaching**

* Passionate about teaching Mathematics in a dynamic and inspirational manner.
* An interest in, or some experience of, teaching for mastery.
* Able to teach Mathematics throughout Key Stages 3 and 4 and an enthusiasm to share in the teaching of Mathematics at A Level.
* Willingness to contribute substantially to enrichment and extra-curricular activities in both Mathematics and other non-subject areas.

**Educational Philosophy**

* Supportive of selection and traditional Grammar School values.
* Supportive of the aims of Queen Elizabeth Grammar School which are:

1. to build upon its tradition of academic excellence encouraging students to strive for the highest levels of achievement and to maximise their potential.
2. to take full advantage of its small numbers to provide a caring environment in which the individual pupil’s personality and abilities are valued and fostered.
3. to provide an environment in which creativity, enterprise and initiative are encouraged, promoting social, artistic and sporting activities to develop pupils’ interests and talents.
4. to do its best to ensure that pupils leave this school to embark upon higher education or employment confident in their skills and learning and fitted for useful, active citizenship.

* Value the importance of developing the whole child through the provision of additional opportunities, which enhance the curriculum.

**Skills**

* Excellent classroom practitioner able to inspire and motivate children to learn.
* Imaginative and creative approach to teaching and learning.
* Ability to use ICT effectively in teaching, recording and reporting.

**Personality**

* Out-going, confident, energetic and willing to be involved in all aspects of school life.
* Good personal organisation, ability to work under pressure and a sense of humour, which can be maintained even on a Friday afternoon when it has been a busy week!

**Queen Elizabeth Grammar School Penrith**

**Job Description for Teacher**

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

**Responsibilities**

Under the direction of the Head of Department.

* To contribute to departmental teaching and other subjects as may be reasonably required.
* To participate in the development of appropriate syllabuses, materials and schemes of work.
* To monitor and control the storage and use of teaching materials and books related to the teaching in the department.
* To participate in appropriate meetings with colleagues and parents, relative to the above duties.

**Subject Knowledge**

* To have an understanding of the knowledge, concepts, and the skills of the specialist subjects and the place of these subjects in the school curriculum.
* To have a breadth and depth of the subject knowledge extending beyond programmes of study and the examination of syllabuses in school.

**Subject Application**

* To produce coherent lesson plans which take account of school curriculum policies.
* To ensure the continuity and progression within and between classes and in subjects.
* To set appropriately demanding expectations for pupils, challenging gifted and talented pupils and providing appropriate work and learning strategies for pupils with special educational needs or learning difficulties.
* To employ a range of teaching strategies, appropriate to the age, ability and level of pupils.
* To present subject content in clear language in a stimulating manner.
* To demonstrate an ability to select and use appropriate resources including information technology.

**Class Management**

* To decide when teaching the whole class, groups, pairs or individuals is appropriate for a particular learning purpose.
* To deploy a range of approaches to create and maintain a purposeful and orderly environment in the class and to know how, when and from where to seek additional support, devise and use appropriate rewards and sanctions to maintain an effective learning environment.
* To maintain the interest and motivation of all pupils.

**Assessment and Recording of Pupils' Progress**

* To identify the current level of attainment of individual pupils, assess and record systematically the progress of individual pupils, judge how well each pupil performs against the standard expected of a child of that age and to use such assessment in their teaching.
* To mark the work of pupils regularly and ensure an ongoing dialogue with pupils about their progress.

**Further Professional Development**

* To take a self-critical approach to diagnosing and evaluating pupil learning, including a recognition of the effect of that learning on teachers' expectations.
* To participate in the school’s appraisal procedures.
* To participate in training and other continuing professional development in order to keep up-to-date with subject knowledge, skills and educational initiatives as appropriate.

**Queen Elizabeth Grammar School Penrith**

**School Strategy**

**Vision**

To prepare our students to succeed in tomorrow’s world by providing a secure, challenging learning environment, a rigorous academic curriculum, high expectations, and best practice in teaching, learning and technology enhanced by wide-ranging, extra-curricular opportunities and outstanding pastoral care.

**Aims**

1. The school aims to build upon its tradition of excellence in terms of both academic and personal achievement. Pupils will be encouraged to strive for the highest levels of achievement to maximise their potential.

2. The school aims to take full advantage of its small numbers to provide a fully inclusive and caring environment in which the individual pupil’s personality and abilities are valued and equality and diversity are celebrated.

3. The school will provide an environment in which resilience, creativity, enterprise and initiative are encouraged. Social, artistic and sporting activities will be promoted to develop pupils’ interests and talents.

4. The school will do its best to ensure that pupils leave this school to embark upon higher education or employment confident in their skills and learning and fitted for independent, active citizenship. Pupils will respect and care for others and value and protect the environment.

**Queen Elizabeth Grammar School will**

1. Raise the standard of achievement of all students;

2. Ensure that every child enjoys high quality education in terms of resourcing, tuition and care;

3. Be a reflective, self-evaluative and improving organisation;

4. Provide value for money for the funds expended;

5. Establish and maintain a collaborative partnership with parents, other schools, institutions of higher education, business, industry, commerce and other stakeholders;

6. Conduct its business with the highest standards of integrity, probity and honesty.

