



**The North Halifax Grammar School
Specialist Science Academy**

Job Description

TEACHER OF MATHEMATICS

Title:	Teacher of Mathematics
Responsible to:	Head of Mathematics and Leadership Group

Background Information for the North Halifax Grammar School

1. Calderdale

The Metropolitan Borough of Calderdale nestles along the eastern flanks of the Pennines. The borough was created in 1974 and currently has a population of about 190,000. Halifax is the largest town and administrative centre. Hebden Bridge, Brighouse and Todmorden are the other major towns in the borough.

Calderdale is a delight with majestic, open moorlands overlooking deep wooded valleys. The industrial legacy of textiles and engineering provides a fascinating heritage for the area. The splendid natural beauty of Hardcastle Craggs sits alongside the busy curio shops and restaurants at historic Hebden Bridge. The bordering 'Bronte Country' to the north and 'Summer Wine Country' to the south boasts a wealth of interesting places to delight the rambler, mountain-biker, rock-climber, bird-watcher, canal-lover, amateur historian and day visitor.

Halifax itself has wonderful historic buildings (the Piece Hall and Halifax Minster), an indoor market, modern shops and entertainment for all ages from variety at the Victoria Theatre to many clubs and pubs for the young at heart.

The M62 runs through the south of the borough connecting Manchester (40 minutes) to Leeds (30 minutes). These two regional capitals are also linked by rail through Halifax. Two airports, Manchester and Leeds-Bradford are also easily accessible. Metropolitan shops and entertainment are readily available at Leeds and Manchester, as are the natural delights of the Peak District and Yorkshire Dales National Parks.

There is a wide variety of housing in town and country locations. Prices are reasonable and below the national average.

2. The North Halifax Grammar School

The North Halifax Grammar School is a successful, high-performing selective academy. The school was formed in 1985 with the amalgamation of the Highlands School and the Princess Mary

School. In its 26 year history it has established a well-deserved reputation for high academic standards and concern for the development of the individual.

The school is an 11-18 co-educational grammar school. It operates joint admissions arrangements with the Crossley Heath School. A minimum of 310 students are admitted each year (155 to each school) based on their performance in admissions tests in verbal reasoning, Mathematics and English. Currently there are 1139 students on roll with 358 in the Sixth Form.

The school became a foundation school in September 1999, so that the Governing Body is the owner of the buildings and site, employer of the staff and the admissions authority for the school. The school became an Academy on 1st June 2011.

The school was inspected in December 2007. Following that inspection the school was re-designated as a Specialist Science School for a further three years and as a High Performing Specialist School in Languages from April 2009. The most recent inspection was in January 2011 and the school was judged to be 'Outstanding' overall.

The school's motto is Living to Learn Learning to Live. All activities in the school promote and facilitate opportunities for students to learn how to learn and lead full and successful lives.

NHGS operates a Smoke Free Policy for all its employees. This applies to the buildings and associated grounds within the immediate vicinity of the buildings which are wholly owned by the Governors of the school.

The North Halifax Grammar School is committed to safeguarding and promoting the welfare of children and applicants must be willing to undergo child protection screening appropriate to the post, including checks with past employers and the Criminal Records Bureau. All staff have a responsibility to ensure the safeguarding of children and are expected to share the school's commitment to providing a secure and supportive environment in which children can develop and grow into mature and responsible people.

3. The Curriculum

The working week is based on a cycle of five one hour lessons. The curriculum is broad, balanced and offers the same opportunities to all students.

Students are placed in one of the five tutor groups on entry to the school and these act as teaching groups for most subjects in Years 7-8 (the Lower School). There is some setting for core subjects in Year 8 and above.

In Year 7 students follow a common curriculum of Art, Drama/Library, English, French, Geography, History, Information and Communications Technology, Mathematics, Music, PE, Personal, Social, Citizenship, Health and Enterprise Education, RE, Science and Technology.

In year 8, all students are introduced to German or Spanish, and Latin, and there is the opportunity to continue to study these languages in Year 9 and beyond, in addition to French. The other subjects studied in Year 7 continue in Year 8.

In the Upper School (Years 9 to 11) students are placed in one of six tutor groups. The average teaching group size is lower (c 26) in the Upper School. In Years 10 and 11, students follow a core curriculum of GCSE courses in, English Language and Literature, a Modern Foreign Language (French, German or Spanish), Mathematics and Science, a full course in ICT and non-examination courses in P.E., PSCHEE and Careers education.

In Science, all students take Science and Additional Science GCSE, while some take Biology, Chemistry and Physics as separate sciences.

Students also take three GCSE options chosen from Art, Astronomy, Geography, Geology, a second Modern Foreign Language, History, Latin, Psychology, Technology (Food, Graphics, Resistant Materials and Textiles), RE, PE, Music and separate sciences.

All students have a week's work experience in Year 11.

In the Sixth Form, all students will take four or five AS levels in Year 12 and at least three A2 subjects in Year 13. The subjects currently offered are:

Art	Food Technology	Mathematics (in all its forms)
Biology	French	Media Studies
Business Studies	General Studies	Music
Chemistry	Geography	Photography
Design and Technology	Geology	Physical Education
Economics	German	Physics
Electronics	Government and Politics AS	Psychology
English Language	History	Sociology
English Literature	ICT	
	Latin	

In Year 12 all students follow a Progression Module and in Year 13 a non-examination course in PSCHEE is also compulsory.

The vast majority of students leaving the Sixth Form continue their education at University and the remainder enter employment with further training.

Students are well-motivated and respond well to effective teaching. A wide range of extra-curricular activities and experiences enables students to develop talents and abilities in PE, drama, music and games. Training, conferences and events are also organised, throughout the school, to promote their personal and social development.

4. Student Support

The school is divided into three sections – the Lower School (Years 7-8); Upper School (Years 9-11) and Sixth Form (Years 12-13). Heads of Section lead teams of Year Group Leaders and tutors who are responsible for the monitoring, progress and day-to-day support of students. Staff work closely with parents in encouraging students to reach their potential. The school has developed close links with primary schools, the police, the local community and employers.

5. General Information

NHGS has an active Parents' Association, and an experienced, supportive, Governing Body.

6. Details of the Post: Teacher of Mathematics (MPS)

An enthusiastic and committed graduate teacher of Mathematics is required with immediate effect. An ability to teach at all key stages will be required. The successful candidate will be joining an

outstanding department. There is a strong take up for the subject at KS5 where we offer Edexcel A level Mathematics and Further Mathematics. The results are excellent.

Mathematics is generally taught in 6 dedicated mathematics classrooms on the same corridor. All classrooms are equipped with interactive whiteboards with access to a wide range of mathematics software. One mathematics room has a suite of computers.

Year 7 students are taught in 5 mixed ability forms. The students are set by ability in year 8 and taught in 5 sets. In years 9 – 11 students are taught in 6 sets allowing for smaller numbers in the lower sets. For GCSE, all students follow higher tier Edexcel courses. Set 1 in year 9, the “express group”, is accelerated to take GCSE in June of year 10. In year 11 these follow the OCR FSMQ Additional Mathematics course. For 2010-11, year 10 sets 2-4 will follow the Edexcel paired pilot course leading to 2 GCSEs in Methods and Applications. Sets 5 and 6 will follow the new Edexcel modular course.

The UKMT Junior, Intermediate and Senior Mathematics challenges are taken by students from years 8, 10 and 12 respectively. Teams are sent to UKMT team challenges often with considerable success. Enrichment activities include visits from Enigma, Happy Puzzle Company and The Nrich Roadshow.

The post-holder will have pastoral duties as a form tutor. Applicants should please state any other teaching subjects they are able to offer, though the post-holder is likely to have a purely Mathematics timetable. A person specification for the post is enclosed.

Closing date: 3.00pm Monday 23th January 2012

Interviews will be held the week commencing 6th February 2012

Completed application forms, should be sent to:

Ms P Robbins
Personnel Officer
The North Halifax Grammar School
Moorbottom Road
Illingworth
Halifax
HX2 9SU.
Tel (01422) 244625
Fax (01422) 245237.
Email: mail@nhgs.co.uk

THE NORTH HALIFAX GRAMMAR SCHOOL

Specialist Science Academy

POST TITLE : Teacher of Mathematics (MPS)			
ATTRIBUTES	ESSENTIAL	DESIRABLE	HOW IDENTIFIED
QUALIFICATIONS	<i>Qualified Teacher Status A degree in a subject relevant to or associated with the position offered</i>		<i>Application</i>
EXPERIENCE	<i>Evidence of successful teaching in a permanent position or in teaching practice</i>	<i>Evidence of extra-curricular contribution</i>	<i>Application Reference Interview</i>
SPECIAL KNOWLEDGE	<i>Ability to teach Mathematics to able students at KS3 and KS4. Ability to teach Mathematics to A Level/Willingness to develop A level teaching. Knowledge of statutory frameworks and requirements for teaching the subject Awareness of links with other subjects at all levels Understanding of assessment and recording</i>	<i>Ability to teach some or all of the Further Mathematics A Level course.</i>	<i>Application Reference Interview</i>
CIRCUMSTANCES - PERSONAL	<i>Should allow attendance at evening meetings Be committed to safeguarding and promoting the welfare of children and willing to undergo child protection screening appropriate to the post, including checks with past employers and the Criminal Records Bureau</i>	<i>Willingness to participate in educational visits and trips</i>	<i>Application Interview Reference</i>

ATTRIBUTES	ESSENTIAL	DESIRABLE	HOW IDENTIFIED
TRAINING	<i>A commitment to continuous professional development</i>	<i>Evidence of relevant in service training (not applicable for newly-qualifying teachers)</i>	<i>Application</i>
PRACTICAL AND INTELLECTUAL SKILLS	<i>Good communication skills Good control of pupils Good organisational skills Ability to meet deadlines Ability to establish good working relationships with colleagues and pupils Experience of and interest in Information Technology</i>		<i>Application Reference Interview</i>
DISPOSITION ADJUSTMENT ATTITUDES	<i>Enthusiasm for the subject(s) Care of pupils Ability to cope with and awareness of the wide range of pupil expectation and ability. Ability to take initiative and be flexible Enthusiasm for teaching Commitment to the safeguarding of children, young people and vulnerable adults Commitment and understanding of equality and diversity issues Demonstrate consistently high standards of personal and professional conduct</i>	<i>Willingness to contribute to pupils' development through additional activities</i>	<i>Application Reference Interview</i>