



The Red Maids' School

**Teacher of Mathematics**

for September 2010

[www.redmaids.bristol.sch.uk](http://www.redmaids.bristol.sch.uk)

The Red Maids' School: A company limited by guarantee, Company number: 5165135  
Registered Office: Westbury Road, Westbury-on-Trym, Bristol, BS9 3AW  
Registered Charity Number: 1105017

# Appointment of a Teacher of Mathematics

## Information for Applicants

Applications are invited from graduates with appropriate qualifications for the post of teacher of Mathematics at The Red Maids' School for September 2010. It is particularly important that the applicant is keen to teach Mathematics in the Sixth Form.

**The Red Maids' School** is a highly successful independent day school for girls and has a national reputation. It has existed since 1634 and today provides a modern, stimulating and caring environment in which girls of academic ability thrive.

The highest standards of personal achievement are encouraged in the context of a warm and supportive community. Equal emphasis is placed on independence and co-operation; individual achievement and collaboration; achieving qualifications and taking part in extra-curricular activities.

Staff and governors of the school are united in a vision of progressive education which provides the highest standards. In particular, we are committed to the roles of young women in the 21<sup>st</sup> century.

On the edge of the city of Bristol the school occupies a spacious and leafy site, with excellent road and rail links. There is a continuous programme of development and in recent years this has provided a new sports hall and a Performing Arts Centre; ICT facilities have been expanded to provide Information Technology access throughout the school with two suites of 25 pcs each, to supplement existing ICT rooms. Most classrooms enjoy internet access and digi-projectors. White boards are also being fitted. There is an astro turf with floodlighting (2005) and an expanded sixth form centre (2005). In 2007 a new wing with school hall, classrooms, art room, library and ICT facilities was opened in The Junior School creating space for additional Year 5 and Year 6 classes.

The Red Maids' School has an impressive academic record. In 2009 85% of A level passes were A or B and 64% of GCSE passes were A\* or A. Most girls go on to leading universities including Oxford and Cambridge.

The Maths department consists of four full-time members of staff including the Head of Department as well as the Deputy Head who has a reduced timetable and two part-time members of staff.

At GCSE most girls study the Higher Tier but a few may enter the Foundation Tier. The most able girls will take an additional qualification, currently the IGCSE. At AS and A2 level Mathematics and Further Mathematics are offered. Members of the department are expected to be flexible in teaching pure mathematics, statistics, mechanics and decision mathematics. We also offer Higher level, Standard level and Maths studies in the Sixth Form for girls studying for the IB Diploma.

Up to GCSE, Mathematics is taught in four sets according to ability. In Years 7-8 these sets are in two bands and in Years 9-11 they are in three bands. The top bands take the linear EDEXCEL GCSE examination and the lower bands study the OCR Modular specification. In the Sixth Form there are separate groups for single and further mathematics and the OCR specification is followed.

In Years 7 and 8 the main textbooks used are the new Cambridge Essentials. Girls in Year 9 currently use Formula One, while the girls in Years 10 and 11 use the Collins GCSE Maths 2 tier-higher for EDEXCEL or the OCR Graduated Assessment books. Girls in the Sixth Form mainly use the OCR dedicated textbooks for their modules. At all levels a wide variety of additional material is available.

The department has five rooms dedicated to Mathematics. All are equipped with computers and digi-projectors and there are three inter-active whiteboards. Available software includes Autograph and Geometers Sketchpad and the department subscribes to the MyMaths website. Resources for practical activities are good and include Multilink, Clix, ATM mats, mechanics kits, probability equipment, games and puzzles.

Girls participate in the various mathematical challenges each year and also in the UK Team Challenge. Some Year 8 girls attend Master Classes run by the local universities and the Sixth Form mathematicians take part in local inter-school competitions. A successful Maths Club for Year 7 runs at lunch times.

This is an ideal opportunity for a well-qualified candidate to join a committed team in an active, busy and successful department.

### GCSE Results

	A*	A	B	C	D	E
2007	17	17	27	12		
2008	18	21	26	6	1	
2009	15	23	22	9	4	1

### IGCSE Results

	A*	A	B	C	D	E
2007	13	11				
2008	7	16	2			
2009	15	9	1			

### AS level Results

### A level Results

	A	B	C	D	E	U		A	B	C	D	E
2007	6	3		1	2		2007	3	1		2	
2008	9	4	2	2	3	1	2008	4	2		2	
2009	8	2		1	1	1	2009	9	1	1	3	

### Further Mathematics

#### AS Results

#### A2 Results

	A	B	C	D	E			A	B	C	D	E
2007	2			1			2007	1				
2008	6	1		1	1		2008		1			
2009	2	1	1				2009	4	1			

### **Particular duties of all subject teachers at The Red Maids' School include:**

- Maximise the learning opportunities for each student by employing a variety of teaching and learning approaches, and setting and marking work regularly.
- Differentiate teaching according to the special educational needs of students.
- Plan, prepare in advance and keep records of lessons and schemes of work.
- Contribute to the development of the department by regular attendance at departmental meetings; contribute to and adhere to the schemes of work of the department; provide and use relevant lesson plans and accept advice and instruction from the Head of Department.
- Record student attendance and absence in every lesson.
- Fulfil the established assessment, recording, profiling and reporting systems of the school.
- Take part in the arrangements made by the school for the appraisal of all staff.
- Take part in arrangements for further training and professional development as required
- Maintain good order and discipline among all students of the school, safeguarding their health and safety both when they are authorised to be on the school premises and when they are engaged in authorised school activities elsewhere.
- Make use of the school Rewards and Sanctions Policies
- Liaise with the Form Tutor, Pastoral Head and Head of Department as appropriate over any students causing concern, using the green Academic Concern slips
- Prepare students for public examinations; record and report such assessments; participate in arrangements for supervision during such examinations.
- Arrive promptly for the school day and for lessons.
- Give early notice to the Headmistress in the case of unavoidable absence through sickness or other causes and indicate work for classes to follow. Mark such work on return.
- Undertake supervision duties in accordance with the rotas published in school.
- It is the expectation that all subject teachers will also act as form tutors or assistant form tutors.
- Safeguard and promote the welfare of all children in and visiting the school.
- Carry out any other reasonable duties associated with the role, as requested by the Headmistress.

The Red Maids' School is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment. In accordance with our Child Protection Policy we are unable to process applications without a fully completed application form. The post is exempt from the Rehabilitation of Offenders Act 1974. All convictions, cautions and bind-overs, including those regarded as 'spent' must be declared when applying. The applicant may post such a declaration in an envelope marked 'Private & Confidential for the Headmistress only'. The successful applicant must obtain List 99 clearance and CRB clearance at enhanced level.

Application forms, should be accompanied by a covering letter addressed to the Headmistress, Mrs Isabel Tobias, and should be sent to Mrs Jenny Bell, Headmistress's PA, The Red Maids' School, Westbury Road, Westbury-on-Trym, Bristol, BS9 3AW, [jenny@redmaids.bristol.sch.uk](mailto:jenny@redmaids.bristol.sch.uk), no later than 9.00am on Wednesday 27<sup>th</sup> January 2010. Interviews are currently planned for Friday 5<sup>th</sup> February 2010.