



Mathematics Department



The Mathematics Learning Area (MLA) is a well organised, energetic and very effective team whose teaching and support enables students to achieve their full potential.

Staffing

There are currently ten full-time Maths teachers working within the MLA at Mossbourne. Responsibility within the department is shared between the Head of Department, a Second in Department, and several other members of the Maths team.

Facilities

The MLA primarily uses seven classrooms. Each classroom has an interactive whiteboard and DVD playing facilities. The ground floor of the MLA has a cluster area containing twenty-eight computers where teachers can take classes and students can work at break and lunchtimes.

Extension classes and extra-curricular activities

Mossbourne Community Academy runs many extension classes for students. Students are required to complete two additional hours of teaching per week. They can opt into certain classes, but may also be targeted for classes by Heads of Department.

The Mathematics Department runs a range of numeracy initiatives, including numeracy catch up in year 7 and Booster classes for year 9.

Additional classes that KS3 students can opt into include Extra Maths and Maths Enrichment. Extra Maths is also offered to underachieving students across the year groups.



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Teaching and Learning

The Learning Area groups students predominantly according to their attainment and ability, but also takes into consideration other academic indicators (e.g. SATs scores etc). Students are taught in two parallel bands, one of four sets and one of five. The average class size is 24, however this varies according to the set.

Key Stage 3

Students are set based on their ability from the start of year 7. Students receive four one-hour lessons per week in years 7 and 9, and 5 lessons in year 8.

The Key Stage 3 scheme of work has been written in-house and follows the National Curriculum for mathematics and aspects of the National Numeracy Strategy. Teaching of the schemes of work is supported by each student having their own textbook, as well as an excellent range of resources, all personalised in order to best meet the needs of our students.

Students take four tests each year during Key Stage 3. Their results are taken into account when decisions are made on movement between sets.

The Maths department achieved excellent SATs results last year. 84% of pupils achieved level 5+. 67% achieved level 6+. Future year groups have been set similar targets.

Key Stage 4

At Key Stage 4, we teach Mathematics GCSE. Sets 1 – 3 follow the Edexcel Linear specification at the Higher Tier. Our Foundation students follow the Modular specification. Students at Key Stage 4 will receive four hours of Mathematics tuition per week and in year 11, students in set one are entered for both the Mathematics GCSE and OCR Additional Mathematics.

91% of our first GCSE cohort achieved a grade C or above. 43% achieved a grade A or A*. Future year groups will be set similarly high targets. We also offer Statistics as an optional subject.

Key Stage 5

The Academy has a new sixth form. We offer AS and A2 level courses in Mathematics and Further Mathematics, and are following the Edexcel syllabus.

Exam Results

The Mathematics Department achieved excellent SATs results last year. 89% of pupils achieved level 5+. Future year groups have been set similar targets and are doing extremely well.



Mathematics Teacher



Mossbourne Community Academy is committed to educational excellence in Hackney. Your job will be to work with both the dedicated team of Mathematics teachers and the school community in order to ensure a high quality inclusive education for all. This will include a strong focus on raising the aspirations and educational achievement for all learners across the age and ability range.

Personal Specification

The successful applicant will be well organised, energetic, creative and willing to go the 'extra mile'. They will be focused on the attainment of all pupils, accepting no excuses for under achievement. They will hold a relevant first or second degree and have (or about to have) Qualified Teacher Status.

Professional knowledge and skills

- Have a knowledge and understanding of the Mathematics National Curriculum
- Have the ability to select appropriate teaching methods and resources according to students' differing needs
- Have effective classroom management and organisation
- Have effective planning, assessment and record keeping
- Have the ability to work independently and as part of a team
- Have the ability to develop and maintain positive relationships with other teachers, support staff and parents/carers
- Have an understanding of the importance of flexibility
- Have the willingness to be involved in the school as a community
- Have the willingness to actively contribute to the development of the Mathematics Department
- Have good written and oral communication skills





Mathematics Teacher

Job responsibilities

- To promote and be committed to the Academy's aims and objectives
- To work with the Head of Learning Area and postholders to ensure an effective provision within the MLA
- To implement the Academy policies
- To promote and be committed to securing high expectations for learning
- To plan and deliver high quality lessons on a day to day basis
- To set appropriate homework for classes and monitor carefully
- To mark work, assess, record and track the progress of pupils taught
- To have due regard for maintaining health and safety and security in the areas used
- To contribute to the Maths Department's schemes of work
- To undertake duties around the Academy as and when required
- To be a member of the pastoral team and, if required, a form tutor carrying out the associated responsibilities
- To comply with any reasonable request from a manager to undertake work of a similar level that is not specified in this job description