

What is Mathematics & Further Mathematics at Hackney New Sixth Form?

Mathematics is about working with the patterns and structures found in science and technology. From computers and space exploration, to body scanners and medicine, understanding these patterns helps explain and control natural happenings and situations.

There are three main strands in Mathematics at A Level.

Core is where we study interesting and often quite beautiful questions such as:

Can you find three distinct numbers a , b , c so that

$$a^{(b^c)} = c^{(a^b)}$$

In Mechanics we study motion and change such as, why do you fall backwards when the tube carriage lurches forward?

In Statistics we learn about uncertainty and likelihood so we can answer questions such as what would be the best way to pick our future husband or wife?

Why study Maths at Hackney New Sixth Form?

- Specialist teachers - There is a shortage of specialist teachers in STEM subjects in the whole country, and London is no different. At HNSF you will be taught subjects by teachers who are specialists.
- A focus on study skills - Universities have been very vocal over the last few years about how ill prepared they feel new students have been for degree-level study. At HNS you will be taught study skills to help you prepare for university, both in lessons and the way you do homework but also in dedicated slots. We do more than just teach you the content, aware that the two years between GCSE and University is our chance to make sure that bright students are ready for further study.

What are the entry requirements for studying Maths and Further Maths at HNSF?

Entry requirements:

For A level Mathematics: A/A* in GCSE Mathematics

For A level Further Mathematics: A* in GCSE Mathematics

Where to next?

Mathematics/Further Mathematics is relevant to a wide range of Higher Education courses. In addition Mathematics would be a desirable qualification in many occupations; The Civil Service, finance, banking; in technical, computing, scientific and engineering work, and in governmental and developmental institutions.