



CITY AND ISLINGTON  
COLLEGE

wk<sup>©</sup>

Westminster  
Kingsway College

The College of  
Haringey, Enfield  
and North East London



Capital  
City  
College  
Training

# Mathematics - A Level (Edexcel)

Mathematics allows you to think logically and analytically, developing resilience and both strategic and creative problem-solving techniques. As technology advances, so too does maths, with new theories being discovered and developed every day, enabling new inventions and scientific discoveries.

## WHAT WILL I STUDY?

Topics covered can include:

- Pure Maths
- Proof
- Algebra and functions
- Coordinate geometry in the  $(x, y)$  plane
- Sequences and series
- Trigonometry
- Exponentials and logarithms
- Differentiation
- Integration
- Numerical methods
- Vectors
- Statistics and Mechanics
- Statistical sampling
- Data presentation and interpretation
- Probability
- Statistical distributions
- Statistical hypothesis testing
- Quantities and units in mechanics
- Kinematics
- Forces and Newton's laws
- Moments

## WHAT WILL I NEED?

You will need:

- Three GCSEs at grade 5 or above including English Language plus two further GCSEs at grade 4 or above
- GCSE Maths at grade 6 or above

**Start Date: 2 September 2024**

**Duration: 2 Years**

**Attendance: Full Time**

**Location: King's Cross Centre**

<https://www.capitalccg.ac.uk/wkc/course/course-detail/pdf/11612/>



[www.capitalccg.ac.uk](http://www.capitalccg.ac.uk)

- GCSE Science at grade 55 or above
- A reference from your previous school/college

All applicants must have an interview to confirm that A Levels are suitable for them.

When applying for an A Level programme at Westminster Kingsway, please refer to the general entry requirements on our [A Level Courses](#) page as well as the subject-specific details listed above.

## HOW WILL I BE ASSESSED?

During the 1st year, there will be 5 formal internal assessments that you will need to pass in order to progress into the 2nd year. At the end of the 2nd year, there are three public examinations.

## WHAT WILL IT COST?

### AGED 16-18

If you will be aged 16, 17 or 18 on 31st August prior to the start date of your course and you have the legal right to remain in the UK for the duration of your programme then your study with us will be free. Please see [here](#) for the documents you will need to show us.

Some courses will have other associated costs, such as for specialist materials and trips. Many of our students are eligible for financial support, see [here](#) for details.

## WHAT CAN I DO AFTER?

A Levels are widely regarded as the standard entry qualification for top universities in the UK, and the rest of the world. Many of our students go onto study for a degree at the university of their choice, with some choosing to progress into apprenticeships or other employment.

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