



# William Edwards School Mathematics Department Curriculum Journey

## Ambition and intent

The mathematics curriculum builds up over 5 years, where pupils revisit topics each year, but in greater depth. The curriculum has been structured to ensure pupils have the mathematical skills required to succeed when facing more challenging mathematical concepts. Topics are interconnected allowing pupils to regularly revise key concepts and deepen their knowledge and understanding as they progress through the years. The main aim is to have a good understanding of mathematical concepts through fluency, problem solving and mathematical reasoning, which will enable pupils to have an in-depth understanding of the GCSE syllabus. The topics pupil cover each year is broken down below.

Careers? University Study?

For those that have a head for figures, pursuing a job relating to mathematics is a choice that can add up to a rewarding and lucrative career. Whether you are using math to solve business problems or help an individual make investments the demand for mathematics experts has grown exponentially in a number of careers. Many college places require a 4+ in GCSE Mathematics



YEAR  
**11A**

YEAR  
**10A**

YEAR  
**10A**

YEAR  
**9A**

YEAR  
**8A**

YEAR  
**7A**

KS2  
PRIMARY  
SCHOOL

Attend WES Transition week. Complete CATS test and learn about WRITE WHAT YOU DO IN INDUCTION WEEK

Apply for a place at WES

Lower KS2 pupils become fluent with whole numbers and the four operations including number facts and the concept of place value. Be able to solve a range of problems including fractions and decimals. Develop mathematical reasoning to analyze shapes and their properties

At KS1 pupils develop confidence and mental fluency with whole numbers, counting and place value. Develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary.

Skills that pupils will learn during their curriculum journey that are required for Mathematics: Basic Numeracy skills built on the four operations. Decision making and problem solving. Graphical skills including the selection of appropriate graphs/charts and interpreting the results.