

# The Maths Curriculum



We are preparing children for jobs in a future world



University Study



A-Level Study / Apprenticeship - College



GCSE Mathematics

Next Phase of Education



Interpret, construct and use pie charts and line graphs



Find numbers to satisfy equations with unknowns and use simple formulae



Multiply and divide fractions



Solve problems using fraction, decimal and percentage facts



Solve problems involving measures including conversions up to 3 decimal places



Describe 3D shapes, build nets and describe positions using co-ordinates



Solve multi step problems using a range of methods



Read, write and order numbers to 10 million and solve problems including rounding and negative numbers

KEY STAGE 2

Year 6



Count beyond 1000 in multiples of 6, 7, 9 and 25. Round numbers and count in negative numbers



Solve problems and recall multiplication and division facts up to 12x12



Recognise equivalent fractions and solve fraction problems



Read and write the time on different clocks (12h & 24h)



Compare and classify shapes, identify symmetry and move them on a grid



Use charts, pictograms, tables and graphs to solve a range of problems



Convert measures, solve simple area, perimeter and money problems to 2 decimal places

KEY STAGE 2

Year 5



Solve problems that involve numbers up to a million, negative numbers, rounding or number sequences



Solve problems with numbers to a million, negative numbers, rounding or number sequences



Use factors, multiples, squares, cubes and simple fractions to solve problems



Read and write decimal numbers as fractions and solve problems with decimals and percentages



Recognise and convert with mixed numbers and improper fractions



Add and subtract fractions and multiply mixed numbers by whole numbers



Know, draw and measure angles. Work out missing angles and lengths



Solve problems using timetables

Solve 2 step addition and subtraction problems with 4 digit numbers



KEY STAGE 2

Year 4



Compare, measure and calculate lengths (mm, cm, m); mass (g, kg) volume capacity (l, ml)



Identify a right angle and whether angles are greater or less than this



Add and subtract fractions



Interpret and present data in bar charts, pictograms and tables



Solve multiplication and division problems



3, 4 and 8 times tables



Add and subtract 3 digit numbers and solve problems



Add and subtract money and give change in £ and p.



Compare, order and solve number problems with numbers to 1000



Solve problems using multiplication and division facts for 2, 5 and 10



Add and subtract any 2 two-digit numbers using an efficient strategy



Partition a 2 digit number into 10's and 1's



Use properties of 2D and 3D shapes to describe their difference



Identify simple fractions of shapes. All parts must be equal parts of the whole



Use different coins to make the same amount

Early Years



Recognise, create and describe simple patterns



Count reliably to 20, place time in order and know one more and one less



Use mathematical language to describe everyday objects and shapes



Add and subtract two single digit numbers and count on or back



Solve problems, including doubling, halving and sharing



Solve problems with capacity, position, distance, time and money

KEY STAGE 1

Year 1



Read and write numbers to 100, count to and across 100 both forwards and backwards



Count in multiples of 2's, 5's and 10's



Solve 1 step problems involving the four operations, using objects and pictures



Solve problems with heights, lengths, capacity and volume



Recognise, name and describe common 2D and 3D shapes



Find and name 1 half and 1 quarter of an object, quantity and shape



Tell the time to the hour and half past and draw these on a clock

KEY STAGE 1

Year 2