

YEAR 7 SPARX CODES BY TERM

Instructions- Log in to Sparx maths, select independent learning down the left side, select key stage 3 from the drop down menu, select the level that you want to try questions at - it will tell you what the levels mean. Enter the codes below. Practise your maths skills

Search for topics:  Your curriculum:  Default level:

Enter topic name or code:  Key Stage 3  Level 2

Year 7 Autumn Term	
Block 1 - Sequences	
Skill name	Sparx code
Using term-to-term rules for number sequences	Q172
Finding term-to-term rules for number sequences	Q124
Term-to-term rules for sequences of patterns	Q863

Block 2 - Algebraic Notation	
Skill name	Sparx code
Algebraic notation	M813
Algebraic terminology	M830
Function machines with numbers	M175
Function machines with letters	M428
Substituting into expressions with one operation	M417
Substituting into expressions with multiple operations	M327
Simplifying expressions containing a single variable	M795

Block 3 - Equality and Equivalence	
Skill name	Sparx code
Simplifying expressions containing a single variable	M795
Using the commutative laws	M952
Using the associative laws	M409
Using the distributive law	M637

Block 4 - Place Value and Ordering	
Skill name	Sparx code
Understanding and ordering whole numbers	Q976
Ordering decimals	Q509
Using number lines	Q880
Rounding integers	M111
Rounding decimals	M431
Rounding integers using significant figures	M994
Rounding decimals using significant figures	M131
Using standard form with positive indices (H)	M719
Using standard form with negative indices (H)	M678
Calculating the range	M328
Calculating the median	M934

Block 5 - Equivalence of Fractions, Decimals and Percentages	
Skill name	Sparx code
Converting between fractions and decimals	M958
Converting between fractions, decimals and percentages	M264
Ordering fractions, decimals and percentages	M553
Finding equivalent fractions	M410
Finding fractions of shapes	M158

Year 7 Spring Term	
Block 6 - Addition and Subtraction	
Skill name	Sparx code
Adding integers	M928
Adding decimals	M429
Subtracting integers	M347
Subtracting decimals	M152
Using the commutative laws	M952
Using the associative laws	M409
Finding perimeters using grids	M920
Finding the perimeter of rectangles and simple shapes	M635
Finding the perimeter of compound shapes	M690
Interpreting frequency tables and two-way tables	M899
Adding and subtracting numbers in standard form (H)	U290

Block 7 - Multiplication and Division	
Skill name	Sparx code
Using a written method to multiply integers	M187
Dividing numbers into equal groups	M462
Using a written method to divide integers	M354
Dividing with a remainder	M873
Using a written method to divide by integers to get a decimal	M262
Using a written method to divide by decimals	M491
Multiplying and dividing by 10, 100 and 1000	M113
Multiplying using place value	M911
Using a written method to multiply decimals	M803
Finding areas using grids	M900
Finding the area of rectangles	M390
Finding the area of compound shapes	M269
Finding the area of triangles	M610
Finding the area of parallelograms	M291
Finding the area of trapeziums (H)	M705
Mixed problems: Finding the area of different shapes (H)	M303

Block 8 - Fractions and Percentages of Amounts	
Skill name	Sparx code
Finding fractions of amounts without a calculator	M695
Finding fractions of amounts with a calculator	M684
Finding percentages of amounts without a calculator	M437
Finding percentages of amounts with a calculator	M905
Percentage change without a calculator	M476

Block 9 - Operations and Equations with Directed Number	
Skill name	Sparx code
Ordering negative numbers	M527
Adding and subtracting with negative numbers	M106
Multiplying and dividing with negative numbers	M288
Using the correct order of operations	M521
Solving equations of the form $ax+b=c$	M634
Solving equations of the form $x/a+b=c$	M647

Block 10 - addition and subtraction of fractions	
Skill name	Sparx code
Converting between mixed numbers and improper fractions	M601
Simplifying fractions	M671
Finding equivalent fractions	M410
Adding and subtracting fractions	M835
Adding and subtracting mixed numbers	M931

Year 7 Summer Term	
Block 11 - Construction, Measuring & Geometric Notation	
Skill name	Sparx code
Types of angles	M502
Estimating angles	M541
Measuring angles	M780
Drawing angles	M331
Constructing triangles	M565
Drawing pie charts	M574
Interpreting pie charts	M165

Block 12 - Geometric Reasoning	
Skill name	Sparx code
Angles on a line and about a point	M818
Vertically opposite angles	M163
Angles in triangles	M351
Angles in quadrilaterals	M679
Combining angle facts	M319
Using quadrilateral properties to find angles	M393
Angles in polygons (H)	M653
Angles on parallel lines (H)	M606

Block 13 - Probability	
Skill name	Sparx code
Using probability phrases	M655
Writing probabilities as fractions	M941
Writing probabilities as fractions, decimals and percentages	M938
Probabilities of mutually exclusive events	M755
Venn diagrams	M829
Probabilities from Venn diagrams	M419
Venn diagrams with set notation	M834
Sample space diagrams	M718

Block 14 - Prime Numbers and Proof	
Skill name	Sparx code
Finding factors and using divisibility tests	M823
Finding prime numbers	M322
Finding the lowest common multiple (LCM)	M227
Finding the highest common factor (HCF)	M698
Prime factor decomposition	M108
Finding the HCF and LCM using prime factor decomposition (H)	M365