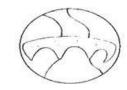
Stanbridge Lower School

Maths Skills Progression Map



The table below shows the skills to be covered in each year group. For EYFS, 3-4 and Rec indicate the development statements from the 2021 Development Matters document 3 and 4-year olds and children in Reception respectively, and broadly sets out children's development at these ages, although it is not intended as a tick list of objectives. ELG indicates the Early Learning Goal. For Key Stages 1 and 2, the objectives are taken from the National Curriculum 2014.

	Number and Place Value					
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
• 3-4: Recite numbers	• Count to an across	• Count in steps of	• Count on from 0 in	• Count in multiples	 Count forwards or 	Read write, order
past 5	100, forwards and	2,3, and 5 from 0,	multiples of 4, 8, 50	of 6, 7, 9, 25 and	backwards in steps	and compare
• 3-4: Say one	backwards,	and in tens from	and 100; find 10 or	1000	of powers of 10 for	numbers up to
number for each	beginning with 0 or	any number,	100 more or less	Count backwards	any given number	10,000,000 and
item in order: 1, 2,	1, or from any given	forward and	than a given	through zero to	up to 10,000,000	determine the value
3, 4, 5	number	backward	number	include negative	Count forwards and	of each digit
• 3-4: Know that the	• Count numbers to	Read and write	Identify, represent	numbers	backwards with	Round any whole
last number	100 in numerals;	numbers to at least	and estimate	• Identify, represent	positive and	number to a
reached when	count in multiples	100 in numerals and	numbers using	and estimate	negative whole	required degree of
counting a small set	of twos, fives and	in words	different	numbers using	numbers, including	accuracy
of objects tells you	tens	• Identify, represent	representations	different	through zero	Use negative
how many there are	Identify and	and estimate	Read and write	representations	• Read, write, order	numbers in context,
in total ('cardinal	represent numbers	numbers using	numbers up to 1000	• Read Roman	and compare	and calculate
principle')	using objects and	different	in numerals and	numerals to 100 (I	numbers to at least	intervals across zero
• 3-4: Develop fast	pictorial	representations,	words	to C) and know that	1,000,000 and	Solve number and
recognition of up to	representations	including the	Recognise the place	over time, the	determine the value	practical problems
3 objects, without	 Read and write 	number line	value of each digit	numeral system	of each digit	that involve all of
having to count	numbers to 100 in	Recognise the place	in a three-digit	changed to include	Read Roman	the above
them individually	numerals	value of each digit	number (hundreds,	the concept of zero	numerals to 1,000	
('subitising')	Read and write	in a two-digit	tens, ones)	and place value	(M) and recognise	
• 3-4: Show "finger	numbers from 1 to	number (tens, ones)	Compare and order	• Find 1000 more or	years written in	
numbers" up to 5	20 in numerals and	Compare and order	numbers to 1000	less than a given	Roman numerals	

• 3-4: Link numerals	words	numbers from 0 up	Solve number	number	Interpret negative	
and amounts, for	• Given a number,	to 100; use <, > and	problems and	Recognise the place	numbers in context	
example showing	identify one more	= signs	practical problems	value of each digit	Round any number	
the right number of	and one less	Use place value and	involving these	in a four-digit	up to 1,000,000 to	
objects to match		number facts to	ideas	number (thousands,	the nearest 10, 100,	
the numeral, up to		solve problems		hundreds, tens and	1,000, 10,000 and	
5				ones)	100,000	
• 3-4: Experiment				Order and compare	Solve number	
with their own				numbers beyond	problems and	
symbols and marks				1000	practical problems	
as well as numerals				Round any number	that involve all of	
• 3-4: Compare				to the nearest 10,	the above	
quantities using				100 or 1000		
language 'more				• Solve number and		
than', 'fewer than'				practical problems		
• 3-4: Begin to				than involve all of		
describe a sequence				the above and with		
of events, real or				increasingly large		
fictional, using				positive numbers		
words such as 'first',						
'then'						
• 3-4: Solve real world						
mathematical						
problems with						
numbers up to 5						
• Rec: Count objects,						
actions and sounds						
• Rec: Count beyond						
ten						
• Rec: Subitise						
• Rec: Link the						
number symbol						
(numeral) with its						

cardinal number value Rec: Compare numbers Rec: Understand the 'one more than / one less than' relationship between consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
 Rec: Compare numbers Rec: Understand the 'one more than / one less than' relationship between consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
numbers Rec: Understand the 'one more than / one less than' relationship between consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
 Rec: Understand the 'one more than / one less than' relationship between consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
the 'one more than / one less than' relationship between consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
/ one less than' relationship between consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
relationship between consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
between consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
consecutive numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
numbers Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
 Rec: Explore the composition of numbers to 10 ELG: Have a deep understanding of number to 10, including the
composition of numbers to 10 • ELG: Have a deep understanding of number to 10, including the
numbers to 10 • ELG: Have a deep understanding of number to 10, including the
• ELG: Have a deep understanding of number to 10, including the
understanding of number to 10, including the
number to 10, including the
including the
composition of each
number
• ELG: Subitise
(recognise
quantities without quantities without
counting) up to 5
• ELG: Verbally count
beyond 20,
recognising the
pattern of the
counting system Counting Syste
• ELG: Compare
quantities up to 10
in different and the second se
contexts,

recognising when			
one quantity is			
greater than, less			
than or the same as			
the other quantity			

			Addition and Subtraction	<u> </u>		
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
• 3-4: Know that the	 Read, write and 	Recall and use	• Estimate the answer	• Estimate and use	Use rounding to	Perform mental
last number reached	interpret	addition and	to a calculation and	inverse operations	check answers to	calculations,
when counting a	mathematical	subtraction facts to	use inverse	to check the	calculations and	including with
small set of objects	statements	20 fluently, and	operations to check	answers to a	determine, in the	mixed operations
tells you how many	involving addition	derive and use	answers	calculation	context of problem,	and large numbers
there are in total	(+), subtractions (-)	related facts up to	Add and subtract	 Add and subtract 	levels of accuracy	Use their
('cardinal principle')	and equals (=) signs	100	numbers mentally,	numbers with up to	Add and subtract	knowledge of the
• 3-4: Develop fast	Represent and use	Show that addition	including:	4 digits using the	whole numbers	order of operations
recognition of up to	number bonds and	of two numbers can	≽a three-digit	formal written	with more than 4	to carry out
3 objects, without	related subtraction	be done in any	number and ones	methods of	digits, including	calculations
having to count them individually	facts within 20	order	≻a three-digit	columnar addition	using formal written	involving the four
('subitising')	Add and subtract	(commutative) and	number and tens	and subtraction	methods (columnar	operations
• 3-4: Show "finger	one-digit and two-	subtraction of one	≽a three digit	where appropriate	addition and	Solve addition and
numbers" up to 5	digit numbers to 20,	number from	number and	 Solve addition and 	subtraction)	subtraction multi-
• 3-4: Begin to	including zero	another cannot	hundreds	subtraction two-	Add and subtract	step problems in
describe a sequence	Solve one-step	Recognise and use	Add and subtract	step problems in	numbers mentally	contexts, deciding
of events, real or	problems that	the inverse	numbers with up to	contexts, deciding	with increasingly	which operations
fictional, using words	involve addition and	relationship	three digits, using	which operations	large numbers	and methods to use
such as 'first',	subtraction, using	between addition	formal written	and methods to use	Solve addition and	and why
'then'	concrete objects	and subtractions	methods of	and why	subtraction multi-	
• 3-4: Solve real world	and pictorial	and use this to	columnar addition		step problems in	
mathematical	representations,	check calculations	and subtraction		contexts, deciding	
problems with	and missing number	and solve missing	Solve problems		which operations	
numbers up to 5	problems such as 7	number problems	including missing		and methods to use	
• Rec: Subitise	= □ -9	Add and subtract	number problems,		and why	
Rec: Explore the		numbers using	using number facts,		Solve problems	
composition of		concrete objects	place value, and		involving addition,	
numbers to 10		pictorial	more complex		subtraction,	
Rec: Automatically		representations,	addition and		multiplication and	
recall number bonds		and mentally,	subtraction		division and a	
for numbers 0-5 and		including:			combination of	
some 0-10						

ELG: Automatically	➤a two-digit		these, including	
recall (without	number and ones		understanding the	
reference to rhymes,	≻a two-digit		meaning of the	
counting or other	number and tens		equals sign	
aids) number bonds	≻two two-digit			
up to 5 (including	numbers			
subtraction facts)	➤ adding three one-			
and some number	digit numbers			
bonds to 10,	Solve problems with			
including double	addition and			
facts	subtraction:			
• ELG: Have a deep	➤ using concrete			
understanding of	objects and			
number to 10,	pictorial			
including the composition of each	representations,			
number	including those			
• ELG: Subitise	involving			
(recognise quantities	numbers,			
without counting) up	quantities and			
to 5	measures			
ELG: Explore and	➤applying their			
represent patterns	increasing			
within numbers up	knowledge of			
to 10, including	mental and			
evens and odd,	written methods			
double facts and				
how quantities can				
be distributed				
equally				

	Multiplication and Division						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
• Rec: Explore the	Solve one-step	Recall and use	Recall and use	Recall multiplication	 Identify multiples 	Identify common	
composition of	problems involving	multiplication and	multiplication and	and division facts	and factors,	factors, common	
numbers to 10	multiplication and	division facts for the	division facts for the	for multiplication	including finding all	multiples and prime	
• ELG: Explore and	division, by	2, 5 and 10	3, 4 and 8	tables up to 12 x 12	factor pairs of a	numbers	
represent patterns	calculating the	multiplication	multiplication tables	Use place value,	number, and	Use estimation to	
within numbers up	answer using	tables, including	Write and calculate	known and derived	common factors of	check answers to	
to 10, including	concrete objects,	recognising odd and	mathematical	facts to multiply and	two numbers	calculations and	
evens and odd,	pictorial	even numbers	statements for	divide mentally,	 Know and use the 	determine, in the	
double facts and	representations and	Show that	multiplication and	including:	vocabulary of prime	context of a	
how quantities can	arrays with the	multiplication of	division using the	multiplying by 0 and	numbers, prime	problem, an	
be distributed	support of the	two numbers can be	multiplication tables	1; dividing by 1;	factors and	appropriate degree	
equally	teacher	done in any order	that they know,	multiplying together	composite (non-	of accuracy	
ELG: Automatically		(commutative) and	including for two-	three numbers	prime) numbers	Multiply multi-digit	
recall (without		division of one	digit numbers times	Recognise and use	• Establish whether a	numbers up to 4	
reference to		number by another	one-digit numbers,	factor pairs and	number up to 100 is	digits by a two-digit	
rhymes, counting or		cannot	using mental and	commutativity in	prime and recall	whole number using	
other aids) number		Calculate	progressing to	mental calculations	prime numbers up	the formal written	
bonds up to 5		mathematical	formal written	Multiply two-digit	to 19	methods of long	
(including		statements for	methods	and three-digit	 Recognise and use 	multiplication	
subtraction facts)		multiplication and	• Solve problems,	numbers by a one-	square numbers	• Divide numbers up	
and some number		division within the	including missing	digit number using	and cube numbers,	to 4 digits by a two-	
bonds to 10,		multiplication tables	number problems,	formal written	and the notation for	digit whole number	
including double		and write them	involving	layout	squared (²) and	using the formal	
facts		using the	multiplication and	Solve problems	cubed (³)	written method of	
		multiplication (x),	division, including	involving	 Multiply numbers 	long division, and	
		division (÷) and	positive integer	multiplying and	up to 4 digits by	interpret	
		equals (=) signs	scaling problems	adding, including	one- or two-digit	remainders as a	
		Solve problems	and	using the	number using a	whole number	
		involving	correspondence	distributive law to	formal written	remainders,	
		multiplication and	problems in which n	multiply two-digit	method, including	fractions, or by	
		division, using	objects are	numbers by one	long multiplication	rounding, as	

materials, arrays,	connected to m	digit, integer scaling	for two-digit	appropriate for the
repeated addition,	objects	problems and	numbers	context
mental methods,		harder	Multiply and divide	• Divide numbers up
and multiplication		correspondence	numbers mentally	to 4 digits by a two-
and division facts,		problems such as n	drawing upon	digit number using
including problems		objects are	known facts	the formal written
in		connected to m	• Divide numbers up	method of short
		objects	to 4 digits by a one-	division where
			digit number using	appropriate,
			the formal written	interpreting
			method of short	remainders
			division and	according to the
			interpret	context
			remainders	Perform mental
			appropriately for	calculations,
			the context	including with
			Multiply and divide	mixed operations
			whole numbers and	and large numbers
			those involving	Solve problems
			decimals by 10, 100	involving addition,
			and 1,000	subtraction,
			Solve problems	multiplication and
			involving	division
			multiplication and	Use their
			division including	knowledge of the
			using their	order of operations
			knowledge of	to carry out
			factors and	calculations
			multiples, squares	involving the four
			and cubes	operations
			Solve problems	
			involving	
			multiplication and	

		division, including	
		scaling by simple	
		fractions and	
		problems involving	
		simple rates	
		• Solve problems	
		involving addition,	
		subtraction,	
		multiplication and	
		division and a	
		combination of	
		these, including	
		understanding the	
		meaning of the	
		equals sign	

Fractions, Decimals and Percentages					
EYFS Year 1 Year	Year 3	Year 4	Year 5	Year 6	
• Recognise, find and • Recognise,	ind • Count up and down	Count up and down	Identify, name and	Use common	
name a half as one name and v	vrite in tenths; recognise	in hundredths;	write equivalent	factors to simplify	
of two equal parts fractions 1/	3, 1/4, that tenths arise	recognise that	fractions of a given	fractions; use	
of an object, shape 2/4, and 3/	of a from dividing an	hundredths arise	fraction,	common multiples	
or quantity length, sha	oe, set of object into 10 equal	when dividing an	represented	to express fractions	
• Recognise, find and objects or o	uantity parts and in dividing	object by one	visually, including	in the same	
name a quarter as • Recognise t	ne one-digit numbers	hundred and	tenths and	denomination	
one of four equal equivalence	of 2/4 or quantities by 10	dividing tenths by	hundredths	Compare and order	
parts of an object, and 1/2	Recognise, find and	ten	Recognise mixed	fractions, including	
shape or quantity • Write simpl	write fractions of a	 Recognise and 	numbers and	fractions >1	
fractions fo	discrete set of	show, using	improper fractions	Add and subtract	
example, 1,	2 of 6 = objects: unit	diagrams, families	and convert from	fractions with	
3	fractions and non-	of common	one form to the	different	
	unit fractions with	equivalent fractions	other and write	denominators and	
	small denominators	Add and subtract	mathematical	mixed numbers,	
	Recognise and use	fractions with the	statements >1 as a	using the concept of	
	fractions as	same denominator	mixed number [for	equivalent fractions	
	numbers: unit	Solve problems	examples, 2/5 + 4/5	Multiply simple	
	fractions and non-	involving	= 6/5 = 1 1/5]	pairs of proper	
	unit fractions with	increasingly harder	Compare and order	fractions, writing	
	small denominators	fractions to	fractions whose	the answer in its	
	Recognise and	calculate quantities,	denominations are	simplest form [for	
	show, using	and fractions to	all multiples of the	example, 1/4 x 1/2	
	diagrams,	divide quantities,	same number	= 1/8]	
	equivalent fractions	including non-unit	Add and subtract	Divide proper	
	with small	fractions where the	fractions with the	fractions by whole	
	denominators	answer is a whole	same denominator	numbers [for	
	Compare and order	number	and denominators	example, 1/3 ÷ 2 =	
	unit fractions, and	• Recognise and write	that are multiples of	1/6]	
	fractions with the	decimal equivalents	the same number	Identify the value of	
	same denominators	of any number of	Multiply proper	each digit in	

	_
	•

- fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]
- Solve problems that involve all of the above

- tenths and hundredths
- Recognise and write decimal equivalents to 1/4, 1/2, 3/4
- Round decimals with one decimal lace to the nearest whole number
- Compare numbers with the same number of decimal places up to two decimal places
- Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- Solve simple measure and money problems involving fractions and decimals to two decimal places

- fractions and mixed numbers by whole numbers, supported by materials and diagrams
- Read and write decimal numbers as fractions [for example, 0.71 = 71/100]
- Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- Round decimals with two decimal places to the nearest whole number and to one decimal place
- Read, write, order and compare numbers with up to three decimal places
- Solve problems involving number up to three decimal places
- Recognise the per cent symbol (%) and

- numbers given to three decimal places
- Multiply and divide numbers by 10, 100 and 1,000 giving answers up to three decimal places
- Multiply one-digit numbers with up to two decimal places by whole numbers
- Use written division methods in cases where the answer has up to two decimal places
- Solve problems
 which require
 answers to be
 rounded to
 specified degrees of
 accuracy
- Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 3/8]
- Recall and use equivalences between simple

		understand that per	fractions, decimals
		cent relates to	and percentages,
		'number of parts	including in
		per hundred', and	different contexts
		write percentages	
		as a fraction with	
		denominator 100,	
		and as a decimal	
		Solve problems	
		which require	
		knowing percentage	
		and decimal	
		equivalents of 1/2,	
		1/4, 1/5, 2/5, 4/5	
		and those fraction	
		with a denominator	
		of a multiple of 10	
		or 25	

	Ration and Proportion							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
						Solve problems		
						involving the relative		
						sizes of two		
						quantities where		
						missing values can		
						be found by using		
						integer		
						multiplication and		
						division facts		
						Solve problems		
						involving the		
						calculation of		
						percentages [for		
						example, of		
						measures, and such		
						as 15% of 360] and		
						the use of		
						percentages for		
						comparison		
						Solve problems		
						involving similar		
						shapes where the		
						scale factor is known		
						or can be found		
						Solve problems		
						involving unequal		
						sharing and grouping		
						using knowledge of		
						fractions and		
						multiples		

	<u>Algebra</u>							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
						Use simple		
						formulae		
						Generate and		
						describe linear		
						number sequences		
						Express missing		
						number problems		
						algebraically		
						• Find pairs of		
						numbers that satisfy		
						an equation with		
						two unknowns		
						Enumerate		
						possibilities of		
						combinations of		
						two variables		

<u>Measurement</u>						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
• 3-4: Make	• Compare, describe	Choose and use	Measure, compare,	• Convert between	Convert between	Solve problems
comparisons	and solve practical	appropriate	add and subtract:	different units of	different units of	involving the
between objects	problems for:	standard units to	lengths	measure [for	metric measure (for	calculation and
relating to size,	➤ lengths and	estimate and	(m/cm/mm); mass	example, kilometre	example, kilometre	conversion of units
length, weight and	heights [for	measure	(kg/g);	to metre; hour to	and metre;	of measure, using
capacity	example,	length/height in any	volume/capacity	minute]	centimetre and	decimal notation up
• 3-4: Begin to	long/short,	direction (m/cm);	(I/ml)	• Estimate, compare	metre; centimetre	to three decimal
describe a sequence	longer/shorter,	mass (kg/g);	 Add and subtract 	and calculate	and millimetre;	places where
of events, real or	tall/short,	temperature (°C);	amounts of money	different measures	gram and kilogram;	appropriate
fictional, using	double/half]	capacity (litres/ml)	to give change,	• Estimate, compare	litre and millilitre)	• Use, read, write and
words such as 'first',	➤ mass/weight [for	to the nearest	using both £ and p	and calculate	 Understand and use 	convert between
'then'	example,	appropriate unit,	in practical contexts	different measures,	approximate	standard units,
Rec: Compare	heavy/light,	using rulers, scales,	Tell and write the	including money in	equivalences	converting
length, weight and	heavier than,	thermometers and	time from an	pounds and pence	between metric	measurements of
capacity	lighter than]	measuring vessels	analogue clock,	Read, write and	units and common	length, mass,
	>capacity and	Compare and order	including using	convert time	imperial units such	volume and time
	volume [for	lengths, mass,	Roman numerals	between analogue	as inches, pounds	from a smaller unit
	example,	volume/capacity	from I to XII, and	and digital 12- and	and pints	of measure to a
	full/empty, more	and record the	12-hour and 24-	24-hour clocks	Use all four	larger unit, and vice
	than, less than,	results using >, <	hour clocks	Solve problems	operations to solve	versa, using decimal
	half, half full,	and =	Estimate and read	involving converting	problems involving	notation to up to
	quarter]	Recognise and use	time with increasing	from hours to	measure [for	three decimal
	➤ time [for example,	symbols for pounds	accuracy to the	minutes; minutes to	example, length,	places
	quicker, slower,	(£) and pence (p);	nearest minute;	seconds; years to	mass, volume,	Convert between
	earlier, later]	combine amounts	record and compare	months; weeks to	money] using	miles and
	Measure and begin	to make a particular	time in terms of	days	decimal notation,	kilometres
	to record the	value	seconds, minutes	Measure and	including scaling	• Use, read, write and
	following:	Find different	and hours; use	calculate the	Use all four	convert between
	➤ lengths and	combinations of	vocabulary such as	perimeter of a	operations to solve	standard units,
	heights	coins that equal the	o'clock, a.m./p.m.,	rectilinear figure	problems involving	converting
	> mass/weight	same amounts of	morning, afternoon,	(including squares)	measure [for	measurements of

- capacity and volumetime (hours, minutes, seconds)
- Recognise and know the value of different denominations of coins and notes
- Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]
- Recognise and use language relating to dates, including days of the week, weeks, months and years
- Tell the time to the hour and half past the hour and draw hands on a clock face to show these times

- money
- Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
- Compare and sequence intervals of time
- Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
- Know the number of minutes in an hour and the number of hours in a day

- noon and midnight
- Know the number of seconds in a minute and the number of days in each month, year and leap year
- Compare durations of events [for example to calculate the time taken by particular events or tasks]
- Measure the perimeter of simple
 2-D shapes

- in centimetres and metres
- Find the area of rectilinear shapes by counting squares
- example, money]
- Solve problems involving converting between units of time
- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- Calculate and compare the area of rectangles
 (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes
- Estimate volume
 [for example, using
 1cm³ blocks to build
 cuboids (including
 cubes)] and capacity
 [for example, using
 water]

- time from a smaller unit of measure to a larger unit, and vice versa
- Recognise that shapes with the same areas can have different perimeters and vice versa
- Recognise when it is possible to use formulae for area and volume of shapes
- Calculate the area of parallelograms and triangles
- Calculate, estimate and compare volumes of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units [for example, mm³ and km³]

	Geometry - Properties of Shape							
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
• 3-4: Talk about and	Recognise and	Identify and	Draw 2-D shapes	Compare and	• Distinguish between	• Draw 2-D shapes		
explore 2D and 3D	name common 2-D	describe the	Make 3-D shapes	classify geometric	regular and	using given		
shapes (for example	shapes [for	properties of 2-D	using modelling	shapes, including	irregular polygons	dimensions and		
circles, rectangles,	example, rectangles	shapes, including	materials; recognise	quadrilaterals and	based on reasoning	angles		
triangles and	(including squares),	the number of sides	3-D shapes in	triangles, based on	about equal sides	Compare and		
cuboids) using	circles and	and line symmetry	different	their properties and	and angles	classify geometric		
informal and	triangles]	in a vertical line	orientations and	sizes	• Use the properties	shapes based on		
mathematical	Recognise and	 Identify 2-D shapes 	describe them	• Identify lines of	of rectangles to	their properties and		
language 'sides',	name common 3-D	on the surface of 3-	Recognise angles as	symmetry in 2-D	deduce related facts	sizes		
'corners', 'straight',	shapes [for	D shapes, [for	a property of shape	shapes presented in	and find missing	Illustrate and name		
'flat', 'round'	example, cuboids	example, a circle on	or a description of a	different	lengths and angles	parts of circles		
• 3-4: Select shapes	(including cubes),	a cylinder and a	turn	orientations	• Identify 3-D shapes,	including radius,		
appropriately, flat	pyramids and	triangle on a	Identify right angles,	Identify acute and	including cubes and	diameter and		
surfaces for	spheres]	pyramid]	recognise that two	obtuse angles and	other cuboids, from	circumference and		
building, a		Compare and sort	right angles make a	compare and order	2-D representations	know that the		
triangular prism for		common 2D shapes	half-turn, three	angles up to two	Know angles are	diameter is twice		
a roof etc.		and everyday	make three	right angles by size	measured in	the radius		
• 3-4: Combine		objects	quarters of a turn	Complete a simple	degrees: estimate	Recognise, describe		
shapes to make new		Recognise and	and four a complete	symmetric figure	and compare acute,	and build simple 3-		
ones, an arch, a		name common 3-D	turn; identify	with respect to a	obtuse and reflex	D shapes, including		
bigger triangle etc.		shapes [for	whether angles are	specific line of	angles	making nets		
• Rec: Select, rotate		example, cuboids	greater than or less	symmetry	 Draw given angles, 	• Find unknown		
and manipulate		(including cubes),	than a right angle		and measure them	angles in any		
shapes in order to		pyramids and	Identify horizontal		in degrees	triangles,		
develop spatial		spheres]	and vertical lines		• Identify:	quadrilaterals, and		
reasoning skills		Compare and sort	and pairs of		➤ angles at a point	regular polygons		
• Rec: Compose and		common 3-D shapes	perpendicular and		and one whole turn	Recognise angles		
decompose shapes		and everyday	parallel lines		(total 360°)	where they meet at		
so that children		objects			≽angles at a point on	a point, are on a		
recognise a shape					a straight line and	straight line, or are		
can have other					1/2 a turn (total	vertically opposite,		

shapes within it,			180°)	and find missing
just as numbers can			➤other multiples of	angles
			90°	

	Geometry – Position and Direction						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
• 3-4: Understand	• Describe position,	Order and arrange		Describe position on	• Identify, describe	Describe positions	
position through	direction and	combinations of		a 2-D grid as	and represent the	on the full	
words alone, for	movement,	mathematical		coordinates in the	position of a shape	coordinate grid (all	
example "The bag in	including whole,	objects in patterns		first quadrant	following a	four quadrants)	
under the table"	half quarter and	and sequences		Describe	reflection or	Draw and translate	
with no pointing • 3-4: Describe a	three-quarter turns	Use mathematical		movements	translation, using	simple shapes on	
familiar route.	·	vocabulary to		between positions	the appropriate	the coordinate	
• 3-4: Discuss routes		describe position,		as translations of a	language, and know	plane, and reflect	
and locations, using		direction and		given unit to the	that the shape has	them in the axes	
words like 'in front		movement,		left/right and	not changed	the the the	
of' and 'behind'		including		up/down			
• 3-4: Talk about and		movement in a		 Plot specified points 			
identify the		straight line and		and draw sides to			
patterns around		•					
them, for example		distinguishing		complete a given			
stripes on clothes, designs on rugs and		between rotation as		polygon			
wallpaper. Use		a turn and in terms					
informal language		of right angles for					
like 'pointy',		quarter, half and					
'spotty', 'blobs' etc.		three-quarter turns					
• 3-4: Extend and		(clockwise and anti-					
create ABAB		clockwise)					
patterns, e.g. stick,							
leaf, stick, leaf							
• 3-4: Notice and							
correct an error in a							
repeating pattern • Rec: Draw							
information from a							
simple map							
• Rec: Continue, copy							
and create							
repeating patterns							

	<u>Statistics</u>								
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
		Interpret and	Interpret and	Interpret and	Complete, read and	Interpret and			
		construct simple	present data using	present discrete	interpret	construct pie charts			
		pictograms, tally	bar charts,	and continuous data	information in	and line graphs and			
		charts, block	pictograms and	using appropriate	tables, including	use these to solve			
		diagrams and	tables	graphical methods,	timetables	problems			
		simple tables	Solve one-step and	including bar charts	Solve comparison,	Calculate and			
		Ask and answer	two-step questions	and time graphs	sum and difference	interpret the mean			
		simple questions by	[for example, 'How	 Solve comparison, 	problems using	as an average			
		counting the	many more?' and	sum and difference	information				
		number of objects	'How many fewer?']	problems using	presented in a line				
		in each category	using information	information	graph				
		and sorting he	presented in scaled	presented in bar					
		categories by	bar charts and	charts, pictograms,					
		quantity	pictograms and	tables and other					
		Ask and answer	tables	graphs					
		questions about							
		totalling and							
		comparing							
		categorical data							