

Year	Week beginning	Wk	Order of Topics
Sept		Familiarisation with Y1 resources. IPMA Test 0	
		1. Comparisons: ordering e.g. taller, shorter, longer; above, below, to the right/left, behind, between	
		2. Comparison of sets: more, less, equal, many, few.	
Oct		3. Number pictures: less than, more than, equal to, not equal to, in contexts ($<$, $>$, $=$, \neq)	
		4. Identifying, writing and using 0 and 1; number line $\begin{array}{c} + \quad + \\ 0 \quad 1 \end{array}$	
		5. Identifying, writing and using 2; number line $\begin{array}{c} + \quad + \quad + \\ 0 \quad 1 \quad 2 \end{array}$ Writing and using $-$, $+$, $=$	
		6. Comparisons: number pictures; balancing equations and inequalities; $2 > 1$	
		Half Term	
Nov		7. Writing and using 3; number line, practice ($<$, $>$, $+$, $-$, $=$)	
		8. Writing and using 4; number line, number bonds, practice ($<$, $>$, $+$, $-$, $=$)	
		9. Writing and using 5; number line, number bonds, practice ($<$, $>$, $+$, $-$, $=$)	
		10. Revision and practice (0–5)	
		11. Writing and using 6; number line, number bonds, practice ($<$, $>$, $+$, $-$, $=$)	
Dec		12. Writing and using 7; number line, number bonds, practice ($<$, $>$, $+$, $-$, $=$)	
		13. Writing and using 8; number line, number bonds, practice ($<$, $>$, $+$, $-$, $=$)	
		Christmas	
Jan		14. Revision and practice: numbers 0, 1, 2, 3, 4, 5, 6, 7, 8	
		15. Writing and using 9; number line, number bonds, practice ($<$, $>$, $+$, $-$, $=$)	
		16. Writing and using 10; number line, number bonds, practice ($<$, $>$, $+$, $-$, $=$)	
		17. Revision and practice: numbers 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	
Feb		18. <i>Test</i> . Recognise and distinguish shapes: circle, triangle, square	
		19. Calendar: days, weeks, months, seasons	
		Half Term	
		20. Revision and practice (0–10) <i>Test</i>	
Mar		21. Extending the number line: 0–20. Operations without crossing 10	
		22. Number bonds and sums to 11; practice	
		23. Number bonds and sums to 12; practice	
		24. Number bonds and sums to 13; practice	
		25. Number bonds and sums to 14; practice	
Apr		Easter	
		26. Number bonds and sums to 15; practice	
		27. Revision and practice: numbers 0–15. <i>Test</i>	
May		28. Number bonds and sums to 16 and 17; practice	
		29. Number bonds and sums to 18 and 19; practice	
		30. Number bonds and sums to 20; practice	
		31. Revision and practice: numbers 0–20 <i>Test</i>	
		Half Term	
Jun		32. Measurement: up to 20 cm. Shapes and reflections	
		33. Time: hours, days, months. Ordering, sets. Number sequences. Tables	
		34. Revision and practice. <i>Test</i>	
		35. Revision and practice	
Jul		IPMA Test 1	

Year	Week beginning	Wk	Order of Topics
Sept			Familiarisation with Y2 resources. (IPMA Test 1 for Ps who did not do it at the end of Y1)
			1. Revision: numbers to 20. Addition and subtraction
			2. Addition and subtraction in context; missing signs
			3. Measurement: length, capacity, mass
Oct			4. Plane shapes: use of logic sets. Simple combinatoric problems
			5. Addition with equal numbers: preparation for multiplication and division
			6. Extending number line to 100. Writing and reading numbers on the number line; ordering; money
			Half Term
Nov			7. Number sequences: adding, subtracting in 10's and 5's
			8. Counting by 10, 5, 2; addition with 10's
			9. Ordering 2-digit numbers; creating 2-digit numbers from 3 or 4 digits
			10. Addition/subtraction with whole tens, and 1-digit numbers to whole tens
			11. Addition/subtraction of 1-digit (and 2-digit) to 2-digit numbers without tens crossing
Dec			12. Addition/subtraction of 1-digit (and 2-digit) numbers to 2-digit numbers with tens crossing
			13. Revision and practice: numbers 0 to 100. Addition/subtraction of 2-digit numbers
			Christmas
Jan			14. Measurement: estimation and units up to 1 m (100 cm)
			15. Geometry: rectangle, square
			16. Capacity: litres and centilitres
			17. Mass: estimation, comparison
Feb			18. Revision and practice
			19. Multiplication and division in context (2, 5 and 10). Multiplication tables 10, 2 and 5
			Half Term
Mar			20. Multiplication and division table for 3
			21. Revision and practice
			22. Multiplication and division table for 4. Relationship with 2 (and 8)
			23. Decomposing numbers into sums and products
			24. Geometry: reflection, enlargement
Apr			25. Multiplication and division table for 6. Relationship with 3 and 2 (and 9)
			Easter
			26. Multiplication and division table for 9
May			27. Operations in context
			28. Multiplication and division tables for 7 and 8
			29. Fractions: half, quarter, three quarters, etc.
			30. Division with remainders in context
Jun			31. Revision and practice. Probability: dice
			Half Term
			32. Division by 2, 3, ..., 9
			33. Extending the number line: counting above 100
Jul			34. Hundreds, tens and units
			35. Revision and practice. Puzzles and challenges
			IPMA Test 2

Year	Week beginning	Order of Topics
Sept		Familiarisation with Y3 resources. (IPMA Test 2 for Ps who did not do it at the end of Y2)
		1. Revision: numbers up to 100; addition and subtraction
		2. Revision: Multiplication
		3. Revision: Division
Oct		4. Revision: Division with remainders; 4 operations
		5. Revision: length, capacity, mass, time.
		6. Collecting, recording and interpreting data; lists, tables, graphs
		Half Term
Nov		7. Numbers up to 200; addition and subtraction
		8. Numbers up to 200: multiplication and division
		9. Numbers up to 200: 4 operations
		10. Order of calculation; rounding to the nearest 10
		11. 2-D and 3-D shapes, parallel and perpendicular lines. Fractions: half, quarter, third
Dec		12: Time: quarter, half, three quarters of an hour. Introduction to the 24 hour clock
		13. Fractions: contextual problems. Revision and practice.
		Christmas
Jan		14. Extending numbers to 1000
		15. Operations with whole tens and hundreds up to 1000. Roman numerals. Sequences
		16. Rounding to tens and hundreds. Measuring length. Changing units.
		17. Measurement: calculation with quantities. Capacity and money
Feb		18. Estimation. Vertical addition without crossing tens (H, T, U)
		19. Problems in context. Column addition, crossing tens (Th, H, T, U)
		Half Term
Mar		20. Estimating differences. Column subtraction.
		21. Addition and subtraction. Problems in context
		22. Geometry: sorting 1-D, 2-D, 3-D shapes. Compass directions. Right angle turns.
		23. Reflection, symmetry. Parallel and perpendicular lines.
		24. Enlargements, reductions. Building 3-D shapes
Apr		25. Fractions: using and finding halves, quarters, eighths and thirds
		Easter
		26. Revision and practice. Equations, inequalities. Problems in context. Negative numbers.
		27. Multiplication. Estimation of products.
		28. Multiplication without tens crossing. Problems in context.
May		29. Graphs. Perimeter and area of rectangles. Quantities: mass, capacity, length, time
		30. Division. Divisor, factor, multiple
		31. Division: problems in context. Probability: simple experiments
		Half Term
Jun		32. Roman numerals. Money problems.
		33. Revision: enlargement, reduction, similarity, perimeter, area
		34. Building and drawing solids. Probability: combinatorics. Numbers up to 10 000.
		35. Revision and practice: length, capacity, mass. Decimal number system. Puzzles, challenges
Jul		IPMA Test 3

Year	Week beginning	Order of Topics
Sept		Familiarisation with Y4 resources. (IPMA Test 3 for Ps who did not do it at the end of Y3)
		1. Revision: numbers up to 1000: writing and ordering, comparison, rounding, sequences
		2. Revision: Operations with numbers up to 1000. Addition and subtraction
		3. Revision: Operations with numbers up to 1000. Multiplication and division tables
Oct		4. Revision: Written calculations. Division with remainders. Divisibility
		5. Revision: length, capacity, mass, time. Numbers up to 2000
		6. Revision and practice: Numbers and calculations up to 2000
		Half Term
Nov		7. Extending numbers to 10 000: counting, reading, writing, ordering, rounding, number line
		8. Addition and subtraction up to 10 000. Written calculations
		9. Multiplication and division up to 10 000. Written calculations. (\times and \div by 1-digit)
		10. Geometry: grouping 1-D, 2-D, 3-D objects. Angles. Parallel and perpendicular lines
		11. Shapes: Properties, angles; parallel and perpendicular lines. Convex and concave.
Dec		12. Shapes and solids: similarity and congruence, reflection, symmetry
		13. Revision and practice: multiplication and division by 1-digit numbers
		Christmas
Jan		14. Revision and practice: 4 operations, geometry
		15. Problems in context
		16. Fractions, including tenths. Equivalent fractions. Position on number line
		17. Fractions: addition and subtraction (equal denominators)
Feb		18. Review and practice: Natural numbers and fractions. Equations
		19. Fractions and decimals. Decimal notation
		Half Term
Mar		20. Addition and subtraction of decimals (1 decimal place)
		21. Fractions and decimals in context. Problems in length, capacity, mass, time, money
		22. Perimeter, area, volume (with natural numbers, fractions and decimals)
		23. Practice: addition, subtraction, multiplication, division
		24. Natural numbers up to 10 000. Rounding
Apr		25. Problems in context. Measures. Fractional parts
		Easter
		26. Positive and negative numbers: thermometers, number line. Comparisons
		27. Positive and negative numbers. Money: cash and debt. Addition and subtraction
May		28. Revision and practice: numbers, word problems, factors, multiples
		29. Revision and practice: geometry, geometric games and puzzles
		30. Collecting and displaying data. Tally charts and grouping
		31. Data, diagrams, tables, functions, single line graphs
		Half Term
Jun		32. Probability: fair and unfair games, experiments
		33. Revision and practice
		34. Revision and practice
		35. Puzzles and challenges
Jul		IPMA Test 4

Year	Week beginning	Order of Topics
Sept		Familiarisation with Y5 resources. (IPMA Test 4 for Ps who did not do it at the end of Y4)
		1. Revision: Natural numbers and the number system. Measures
		2. Revision: Natural numbers – comparing, ordering, rounding; addition and subtraction
		3. Revision: Natural numbers – multiplication: tables, mental strategies, factors and multiples
Oct		4. Revision: Natural numbers – division by 1-digit numbers; division tables, written procedures
		5. Integers: comparing, ordering, rounding. Sequences. Opposite numbers
		6. Fractions and decimals: meaning, forms, relationship with division; position on number line
		Half Term
Nov		7. Time: 12 hour and 24 hour clock, am and pm; word problems; graphs, relationships
		8. Order of operations. Brackets. Practice: mental and written calculations. Word problems
		9. Revision: Properties of 2-D and 3-D shapes. Perimeter and area of polygons
		10. Revision: Nets. Surface area and volume of solids. Capacity.
		11. Ordering and adding integers. Number line. Absolute value. Cash and debt model
Dec		12. Subtraction of integers using models; subtraction as difference on the number line
		13. Multiplying and dividing integers by natural numbers.
		Christmas
Jan		14. Practice: operations with natural numbers (mental and written). Word problems
		15. Sets of points: circle, sphere. Constructing triangles. Parallel and perpendicular lines
		16. Special quadrilaterals: trapezium, parallelogram, deltoid, rhombus, rectangle, square
		17. Angles: types of angles, comparing, measuring and drawing. Compass directions
Feb		18. Reflection: line symmetry. Translations. Similarity and congruence
		19. Geometric transformations: translation, rotation, enlargement and reduction on grids
		Half Term
Mar		20. Comparing fractions with equal and different denominators; simplifying, expanding
		21. Adding and subtracting fractions with equal and different denominators
		22. Practice: addition and subtraction with integers and fractions
		23. Percentages. Multiplication and division of fractions by natural numbers. Practice
		24. Decimals: reading and writing. Place value. Addition and subtraction of decimals. Rounding
Apr		25. Word problems. Measures using decimals. Multiplying decimals by natural numbers
		Easter
		26. Dividing decimals by natural numbers. Decimal forms of fractions. Recurring decimals
		27. Combinatorics. Ratio. Percentage. Probability: experiments
May		28. Combinatorics. Probability: experiments using 2 dice; frequency tables and graphs; outcomes
		29. Probability: experiments; predictions; fair and unfair games
		30. Collecting, displaying, interpreting continuous and discrete data: graphs; mode, median, mean
		31. Review: Numbers and calculations. Roman numerals. Negative numbers, fractions, decimals
	Half Term	
Jun		32. Review: order of operations; brackets; operations using integers, fractions and decimals
		33. Review: Measures and units. Polygons, solids. Transformations. Similarity, congruence.
		34. Review: Perimeter, area, surface area, volume. Problems and practice
		35. Practice, puzzles and challenges
Jul		IPMA Test 5

Year	Week beginning	Order of Topics
Sept		Familiarisation with Y6 resources. (IPMA Test 5 for Ps who did not do it at the end of Y5)
		1. Review: Numbers up to 1 000 000: reading, writing, place value, ordering, rounding.
		2. The 4 operations: mental strategies. Arithmetic Laws. Brackets. Squares of multiples of 10
		3. The 4 operations: written procedures (short and long). Mensuration: problems in context
Oct		4. Properties of natural numbers. Multiples and factors. Tests of divisibility
		5. Miscellaneous problems with natural numbers and decimals. Number sequences
		6. Positive and negative integers: ordering, addition and subtraction, coordinate system (4 quadrants)
		Half Term
Nov		7. Fractions, decimals, mixed numbers: +, –; multiplication and division by natural numbers
		8. Fractions and decimals: equivalence, conversion; as operators: finding fractions of a whole
		9. Review: 2-D shapes, 3-D shapes. Angles: measuring, drawing; sum of angles in a triangle
		10. Mensuration: standard metric and imperial units; perimeter and area of compound shapes
		11. Data collection, presentation, analysis. Mode, mean, median, range. Frequency tables
Dec		12. Probability: language, prob. scale, experiments, frequency, relative frequency, problems
		13. Calculating: a fraction of a number or quantity, the whole from a part (with/without models)
		Christmas
Jan		14. Multiplying by fractions or decimals: models, written procedures. Percentages of quantities
		15. Dividing by fractions or decimals: models, written procedures, operations, simple problems
		16. Understanding percentage. Calculating: a percentage part, the whole from a %. Problems
		17. Review: Line and rotational symmetry. Reflection, translation, rotation. Similarity, congruence
Feb		18. Recognising and constructing reflections in an axis. Constructing symmetrical triangles
		19. Symmetrical quadrilaterals: properties, perimeter, area, angles. Regular polygons
		Half Term
		20. Order of rotational symmetry. Angles in a triangle or around a point: acute, obtuse, reflex
Mar		21. Mensuration: metric and Imperial units, conversion of units, percentages. 24 hour clock
		22. Perimeter and area. Squares, square roots. Volume/surface area of cubes, cuboids. Graphs
		23. Ratio and proportion: direct and inverse. Graphs. Ratio as a percentage
		24. Probability: equally likely outcomes. Patterns, relationships. Generalising formulae
		25. Review: multiples, factors. Calculating remainders. Tests of divisibility
Apr		Easter
		26. Review: fractions, decimals and percentages. Simple word problems
May		27. Review: Diagnostic tests or practice
		28. Review: Diagnostic tests or practice. Formulae. Combinatoric probability
		<i>Key Stage 2 Tests</i>
		29. Equations and inequalities. Formulae. Solving equations using the 'balance' method
Jun		30. Equations and inequalities: word problems
		Half Term
		31. Review: 2-D and 3-D shapes. Symmetry, congruence. Transformations. The circle
		32. Review: Perimeter, area, volume. Angles. Sequences. Number systems <u>not</u> in base 10.
Jul		33. Word problems. Logic. Sets. Review: number, algebra, equations, proportion
		34. Review: ratio, percentage. Miscellaneous problems
		35. Problems. Puzzles and challenges
		IPMA Test 6