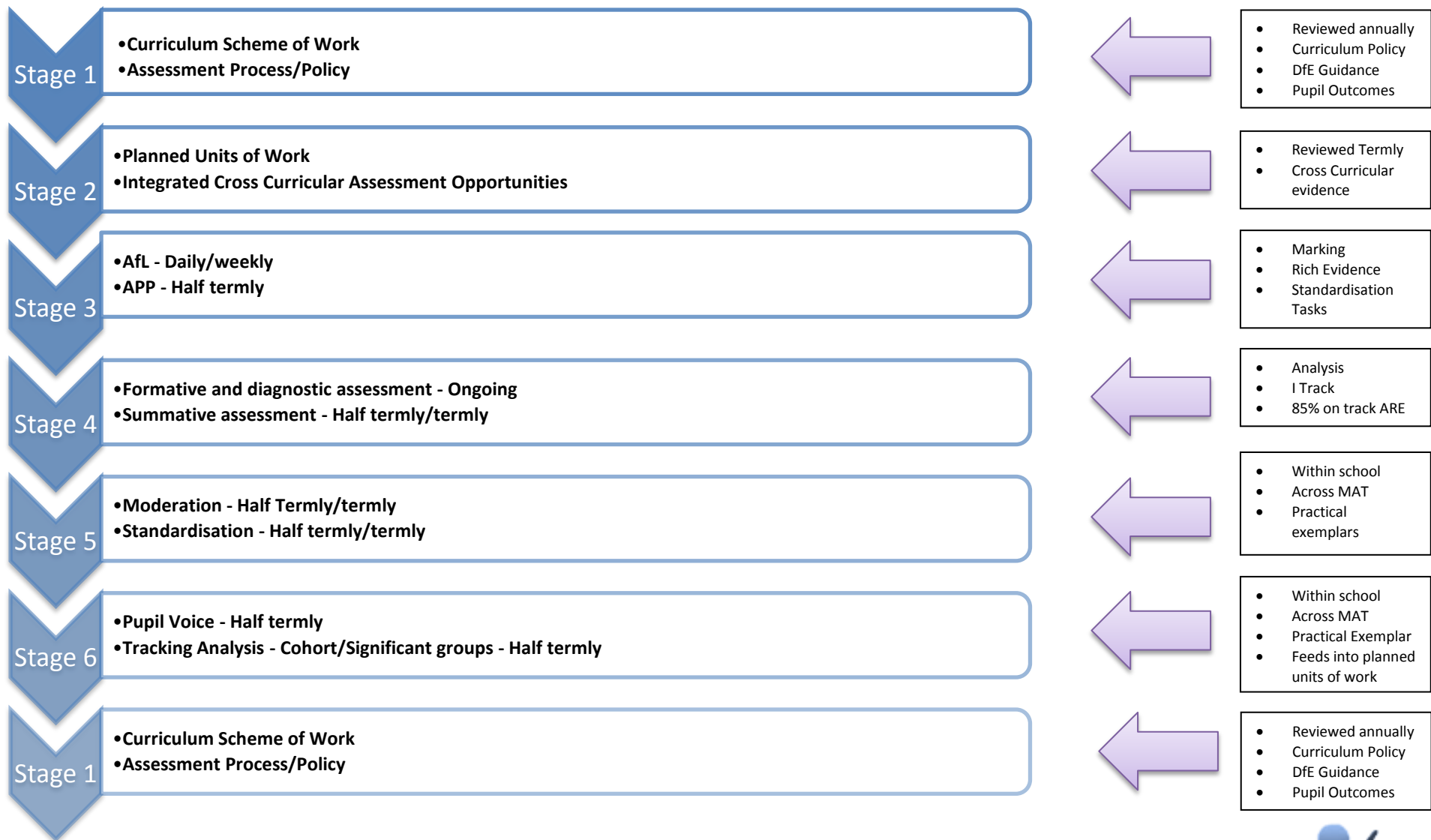




An Daras Multi Academy Trust

Assessing Pupil Progress – Mathematics (Y6)

Integrated Curriculum Scheme of Learning - 2015	
Document:	ADMAT Assessing Pupil Progress (APP)
National Curriculum Subjects:	Maths
Year Group:	Year 6
Agreed and Approved:	Sept 15 (v3)
Leader In Year Review Dates:	Sept 17
Related Documents and Guidance:	National Curriculum 14/15 Dimensions Skill Ladders 14 Maths Scheme of Learning 15 Non-Negotiable 14 Maths Policy 15 Calculation Policy 15 Assessment Policy 15 Marking Policy 15



ADMAT/ARE Year6–Maths/Key Concepts (v3)	Pupil Name: Class Teacher:	Term 1 Autumn 1: Autumn 2:	Term 2 Spring 1: Spring 2:	Term 3 Summer 1: Summer 2:	Are Related Expectation Key:	NE = Not Enough Evidence EM = Emerging TI = Towards Independence EXP = Expected EXP+ = Expected Plus EXC = Exceeding							
A/Number: place value	B/Number: addition/subtraction multiplication/division	C/Number: fractions	D/Ratio	E/Algebra	F/ Measurement	G/Geometry				H/Statistics			
A1. Read, write and order numbers to 10 000 000 and determine the value of digits	B1. Multiply multi digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication	C1. Use common factors to simplify fractions and use common multiples to express fractions in the same denomination	D1. Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.	E1. Use simple formulae	F1. Use, read and write standard units with up to three decimal places, including converting from smaller to larger units and vice versa	G1. Draw 2-D shapes accurately using given dimensions and angles				H1. Interpret and construct pie charts and line graphs and use these to solve problems			
EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4
A2. Round any whole number to 10 000 000 to a required degree of accuracy	B2. Divide numbers up to 4 digits by a two-digit whole number using the formal methods of short or long division, and interpret remainders as appropriate for the context as whole numbers, fractions or by rounding	C2. Compare and order fractions, including fractions > 1	D2. Solve problems involving the calculation of percentages and the use of percentages for comparison	E2. Generate and describe linear number sequences.	F2. Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate	G2. Recognise, describe and build simple 3-D shapes, including making nets.				H2C. Calculate and interpret the mean as an average.			
EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4
A3. Use negative numbers in context and calculate intervals across zero	B3. Divide numbers up to 4 digits by a 2 digit number using the formal written method of short division where appropriate, interpreting remainders according to the context.	C3. Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	D3. Solve problems involving similar shapes where the scale factor is known or can be found	E3. Express missing number problems algebraically	F3. Convert between miles and kilometres	G3. Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter of a circle is twice the radius.							
EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4	EM TI EXP EXC 1 2 3 4
A4. Solve number problems and practical	B4. Use knowledge of the order of the	C4. Multiply simple pairs of proper fractions,	D4. Solve problems involving unequal	E4. Find pairs of numbers that satisfy an equation	F4. Recognise that shapes with the same areas can	G4. Compare/classify geometric shapes based							

problems with number and place value from the Year 6 curriculum				operations to carry out calculations involving the four operations.				writing the answer in its simplest form.				sharing and grouping using knowledge of fractions and multiples				with two unknowns.				have different perimeters and vice versa				on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons															
EM	TI	EXP	EXC	EM	TI	EXP	EXC	EM	TI	EXP	EXC	EM	TI	EXP	EXC	EM	TI	EXP	EXC	EM	TI	EXP	EXC	EM	TI	EXP	EXC	EM	TI	EXP	EXC								
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
				B5. Solve addition, subtraction, multiplication and division problems.				C5. Divide proper fractions by whole numbers								E5. Enumerate possibilities of combinations of two variables.				F5. Recognise when it is possible to use formulae for area and volume of shapes				G5. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles															
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
				B6. Solve multi step addition and subtraction problems in less familiar contexts, deciding which operations and methods to use and why				C6. Associate a fraction with division, calculate decimal fraction equivalents for a simple fraction												F6. Calculate the area of parallelograms and triangles				G6. Describe positions on the full coordinate grid (all 4 quadrants)															
				EM	TI	EXP	EXC	EM	TI	EXP	EXC									EM	TI	EXP	EXC	EM	TI	EXP	EXC												
				1	2	3	4	1	2	3	4									1	2	3	4	1	2	3	4												
				B7. Check answers to calculations with mixed operations/large numbers, choosing the most appropriate method, including estimation/ determining, in the context of a problem, an appropriate degree of accuracy				C7. Identify the value of each digit in numbers given to 3dp and multiply and divide numbers by 10, 100 and 1000 giving answers up to 3dp.												F7. Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units [for example, mm ³ and km ³]				G7. Draw and translate simple shapes on the coordinate plane, and reflect them in the axes															
				EM	TI	EXP	EXC	EM	TI	EXP	EXC									EM	TI	EXP	EXC	EM	TI	EXP	EXC												
				1	2	3	4	1	2	3	4									1	2	3	4	1	2	3	4												
				B8. Perform mental calculations, including with mixed operations and large numbers				C8. Multiply 1 digit numbers with up to 2 dps by whole numbers																															
				EM	TI	EXP	EXC	EM	TI	EXP	EXC																												

