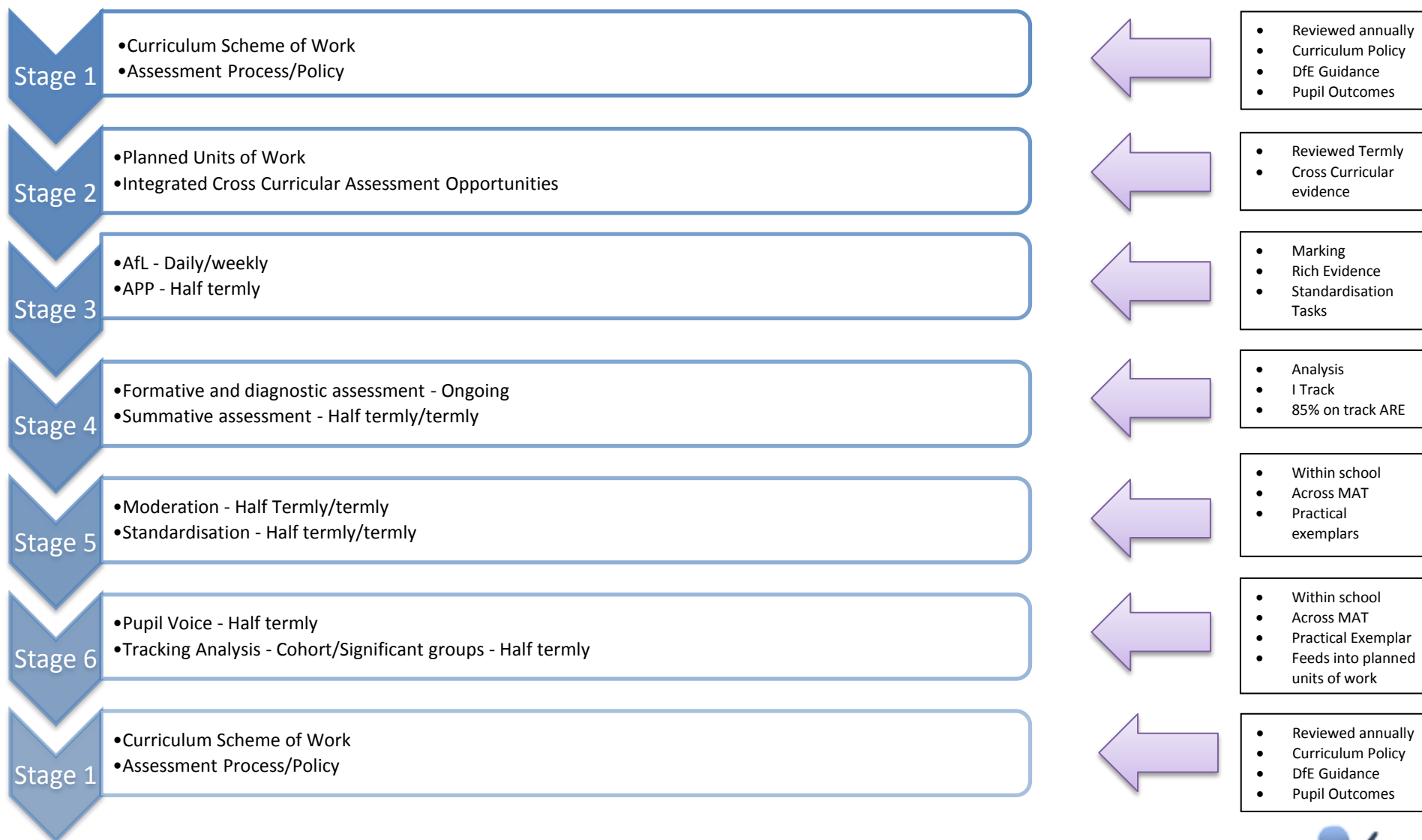




An Daras Multi Academy Trust

Assessing Pupil Progress – Mathematics (Y5)

Integrated Curriculum Scheme of Learning - 2015	
Document:	ADMAT Assessing Pupil Progress (APP)
National Curriculum Subjects:	Maths
Year Group:	Year 5
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 Year 5 – Maths/Key Concepts (v3)					Pupil Name:				Term 1				Term 2				Term 3				Are Related Expectation Key:				NE = Not Enough Evidence EM = Emerging TI = Towards Independence EXP = Expected EXP+ = Expected Plus EXC = Exceeding			
Class Teacher:																												
A/Number: place value					B/Number: addition and subtraction.				C/Number: multiplication and division				D/Number: fractions				E/M Measurement				F/ Geometry				G/ Statistics			
A1. Read, write and order numbers to at least 1 000 000 and determine the value of each digit.					B1. Add and subtract numbers mentally with increasingly large numbers.				C1. Identify multiples and factors, including all factor pairs of a number, and common factors of 2 numbers				D1. Compare and order fractions whose denominators are all multiples of the same number				E1. Convert between different units of metric measure, e.g.: km to m, cm to m, cm to mm, g to kg, l to ml				F1. Identify 3-D shapes, including cubes and other cuboids, from 2-D representations				G1. Solve comparison, sum and difference problems using information presented in a line graph			
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
A2. Count forwards or backwards in steps of powers of 10 for any given number to 1 000 000					B2. Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)				C2. Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.				D2. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths				E2. Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints				F2. To now that angles are measured in degrees. Estimate and compare acute, obtuse and reflex angles				G2. Solve problems using information in tables, including timetables			
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
A3. Count forwards and backwards with positive and negative whole numbers, including through zero and interpret negative numbers in context					B3. Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy				C3. Establish whether a number up to 100 is a prime number and recall prime numbers up to 19				D3. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number				E3. Measure the perimeter of composite rectilinear shapes in cm and m				F3. Draw given angles, and measure them in degrees				G3: Interpret more complex tables, including timetables			
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
A4. Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000					B4. Solve addition and subtraction multi step problems in familiar contexts, deciding which operations and methods to use and why				C4. Recall square numbers and cube numbers and the notation for them				D4. Add and subtract fractions with the same denominator and denominators that are multiples of the same number				E4. Calculate and compare the area of rectangles and estimate the area of irregular shapes				F4. Identify angles at a point and one whole turn, angles at a point on a straight line and ½ a turn and other multiples of 90º				G4: Complete tables, including timetables			
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				

A5. Solve number problems and practical problems with number and place value from the Year 5 curriculum								C5. Multiply and divide numbers mentally drawing upon known facts				D5. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams				E5. Estimate volume and capacity.				F5. Use the properties of rectangles to deduce related facts and find missing lengths and angles							
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				
A6. Read Roman numerals to 1000 (M) and recognise years written in Roman numerals								C6. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000				D6. Read and write decimal numbers as fractions				E6. Solve problems involving converting between units of time.				F6. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles							
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				
								C7. Multiply numbers up to 4 digits by a one- or two digit number using a formal written method, including long multiplication for two-digit numbers				D7. Recognise and use thousandths and relate them to tenths and hundredths and decimal equivalents				E7. Use all 4 operations to solve problems involving measure, using decimal notation, including scaling.				F7. Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language; know that the shape has not changed.							
								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				
								C8. Divide numbers up to 4 digits by a one-digit number using formal written method of short division and interpret remainders appropriately for the context				D8. Round decimals with two decimal places to the nearest whole number and to one decimal place															
								EM	TI	EXP	EXC	EM	TI	EXP	EXC												
								1	2	3	4	1	2	3	4												
								C9. Solve problems involving addition, subtraction, multiplication and division, and a combination of these, including understanding the meaning of equals sign				D9. Read, write, order and compare numbers with up to three decimal places															
								EM	TI	EXP	EXC	EM	TI	EXP	EXC												

