Year 5

Lesson Breakdown & Textbook Mapping Autumn

This document is designed to be used in conjunction with the White Rose Schemes of Learning and has been written as a guide to indicate the progression and pace in which the National Curriculum objectives should be covered. The lesson breakdown provided is our suggested route and should be used appropriately with professional judgement.

Schools who have bought into a mastery textbook scheme should continue to use the corresponding programme. The textbook mapping provided within this document has been designed by teachers to reference activities in a variety of commonly used textbooks so teachers can easily access exemplar material. This is in no way an endorsement of any particular textbook scheme.

We welcome any suggestions to this document and are always looking to refine and improve where possible. We hope you find it useful!

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Lesson Breakdown & Textbook Mapping

Year 5

Year 5 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value			Number: Addition and Subtraction			Number: Multiplication and Division				Statistics	
Spring	Number: Fractions					Number: Decimals			Number: Percentages			
Summer	Geometry: Angles		Geometry: Shapes		Geometry: Position and Direction	Measurement- Converting Units		Number: Prime Numbers	Perimeter and Area	Measures volume		

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Year 5 Autumn Term

Topic	National Curriculum Learning Objectives	Lesson	Lesson Learning Objective	Textbook Mapping			
				Busy Ants	Inspire Maths	Maths No Problem	Abacus
Number: Place value	Read, write, order and compare numbers to at least 1000000 and determine the value of each digit.	1	Reading and writing numbers to 1,000,000.	5B p4	TB 5A p2	TB 5A p7	Y5TB1 p5, Y5TB2 p6
		2	Reading and writing numbers to 1,000,000.	5B p4		TB 5A p12	Y5TB2 p5
	Count forwards or backwards in steps of powers of 10 for any given number up to 1000000.	3	Comparing numbers to 1,000,000.	5C p4	TB 5A p16	TB 5A p17	Y5TB1 P4 p8, Y5TB2 p8
		4	Count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000.	5A p8	TB 5A p6	TB 5A p26	
	Round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000	5	Rounding numbers to the nearest 10,000, 100,000 and 1,000,000	5A p10	TB 5A p20	TB 5A p39	
		6	Rounding numbers to the nearest 10,000, 100,000 and 1,000,000	5B p6		TB 5A p43	
		7	Consider how to interpret and round remainders.				
		8	Consider how to interpret and round remainders.				
	Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero.	9	Interpreting negative numbers in context.	5B p8		TB 5B p188	Y5TB3 p28
		10	Counting forwards and backwards with negative numbers.	5B p8		TB 5B p189	
	Solve number problems and practical problems that involve all of the above.	11	Apply understanding of negative numbers to real life contexts.	5B p10		TB 5B p190	Y5TB3 p29
	Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	12	Roman numerals	5C p10		TB 5B p268	Y5TB3 p82
		13	Roman numerals	5C p10		TB 5B p271	
		14	Review				
		15	Assess				

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				Busy Ants	Inspire Maths	Maths No Problem	Abacus
Number: Addition and Subtraction	Add and subtract numbers mentally with increasingly large numbers.	1	Mental addition by counting on.	5A p12		TB 5A p54	Y5TB1 p6
		2	Mental subtraction by counting back.	5A p14		TB 5A p59	Y5TB1 P6 p14
		3	Mental subtraction by counting on.	5A p16		TB 5A p64	Y5TB1 P5 p16, p43
	Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.	4	Estimating answers to addition and subtraction problems by rounding.	5A p58		TB 5A p66	Y5TB1 p10
	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	5	Column addition up to 1,000,000 without regrouping.	5A p54		TB 5A p70	
		6	Column addition up to 1,000,000 with regrouping.	5B p56		TB 5A p74	Y5TB1 p9, p11, Y5TB2 p87
		7	Column addition up to 1,000,000 with regrouping.	5C p14		TB 5A p89	Y5TB1 p82, Y5TB2 p7, Y5TB3 p39
		8	Column subtraction up to 1,000,000 without regrouping.	5B p14		TB 5A p72	
		9	Column subtraction up to 1,000,000 with regrouping.	5B p16		TB 5A p79	Y5TB1 p38, Y5TB2 p7, p80, Y5TB3 p41
		10	Column subtraction up to 1,000,000 with regrouping.	5C p16		TB 5A p94	Y5TB1 p40, Y5TB2 p83, p86
	Solve addition and subtraction multi-step problems in contexts deciding which operations and methods to use and why.	11	Solve multi-step problems involving addition and subtraction using rounding to check answers.	5A p18	5A p58	TB 5A p84	Y5TB1 p45, Y5TB2 p89, Y5TB3 p12
		12	Solve multi-step problems involving addition and subtraction using rounding to check answers.	5C p18	5A p61		Y5TB1 p46, Y5TB2 p90, Y5TB3 p13
		13	Solve multi-step problems involving addition and subtraction using rounding to check answers.	5C p58			Y5TB2 p21 - 22, Y5TB2 p91
		14	Review				
		15	Assess				

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Number: Multiplication and Division	Multiply and divide numbers mentally drawing upon known facts. Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.	1	Finding multiples and common multiples.	5A p80		TB 5A p110	Y5TB1 p47
		2	Finding all factors of a given number.	5B p32		TB 5A p113	Y5TB1 p49, Y5TB2 p23, Y5TB3 p47
		3	Finding common factors of multiple numbers.			TB 5A p115	
		4	Finding prime numbers.	5A p84		TB 5A p117	Y5TB2 p25
		5	Finding prime numbers.	5A p84		TB 5A p122	Y5TB2 p26
	Recognise and use square numbers and cube numbers and the notation for squared (^{2}) and cubed (^{3}).	6	Finding square and cube numbers using the correct notation.	5A p76		TB 5A p126	Y5TB2 p27, Y5TB3 p83
	Multiply and divide whole numbers by 10, 100 and 1000.	7	Multiplying and dividing whole numbers by 10,100 and 1,000.	5B p30	5A p33	TB 5A p129	
		8	Multiplying and dividing whole numbers by 10,100 and 1,000.		5A p42	TB 5A p163	
	Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers.	9	Column multiplication of 4 digit numbers by 1 digit.	5A p78		TB 5A p132	Y5TB1 p55-57, Y5TB2 p57-59, Y5TB3 p15
		10	Column multiplication of 4 digit numbers by 2 digits.	5C p80		TB 5A p147	Y5TB2 p46, Y5TB3 p18, Y5TB3 p63
		11	Column multiplication of 4 digit numbers by 2 digits.			TB 5A p155	Y5TB3 p20
		12	Application of understanding of multiplication.	5B p34	5A p57		Y5TB1 p27 - 28, p59, p87
	Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.	13	Divide 4 digit numbers by a 1 digit number using short division.			TB 5A p166	Y5TB1 p60, Y5TB2 p28, p48
		14	Divide 4 digit numbers by a 1 digit number using short division.	5A p88		TB 5A p169	Y5TB1 p61 - 62, Y5TB2 p50
		15	Divide 4 digit numbers by a 1 digit number using short division interpreting remainders according to the context of the problem.	5B p28		TB 5A p173	Y5TB2 p52-54, Y5TB3 p55, p57

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Multiplication and Division	Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes. Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign.	16	Solving multistep worded questions involving a combination of operations.	5B p34	5A p58	TB 5A p180	Y5TB2 p63
		17	Solving multistep worded questions involving a combination of operations.	5B p82	5A p60	TB 5A p183	
		18	Solving multistep worded questions involving a combination of operations.	5C p82	5A p61	TB 5A p186	
		19	Review				
		20	Assess				
Statistics	Complete, read and interpret information in tables including timetables.	1	Reading and interpreting data in a table.	5B p72		TB 5A p194	Y5TB3 p89
		2	Completing missing data in a table.	5C p94			Y5TB3 p84
		3	Using tables to solve problems.	5C p92		TB 5A p199	Y5TB3 p87
		4	Using tables to solve problems.	5C p94		TB 5A p207	Y5TB3 p88
	Solve comparison, sum and difference problems using information presented in a line graph.	5	Reading and interpreting line graphs to solve problems.	5B p70		TB 5A p217	Y5TB3 p85
		6	Reading and interpreting line graphs to solve problems.	5B p72		TB 5A p221	Y5TB3 p86
		7	Reading and interpreting line graphs to solve problems.	5B p96		TB 5A p221	
		8	Reading and interpreting line graphs to solve problems.	5B p98		TB 5A p226	
		9	Review				
		10	Assess				

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