

# Birchwood Junior School Mathematics Curriculum

## ‘Developing Life Long Problem Solvers’

REASON LOGICALLY	DRAW A PICTURE/USE A MODEL/ACT OUT A SITUATION	MAKE AN ORGANISED LIST OR TABLE	TRIAL AND IMPROVEMENT	LOOK FOR A PATTERN	MAKE A RULE & TEST IT	WORKING BACKWARDS		
20 minutes a day Discrete Number Sense & Problem Solving Development		Mental Calculation	Mental Calculation	Mental Calculation	Problem solving task together	What if?		
YEAR 3 Main Maths Lessons							AVAILABLE LESSONS	LESSONS TO TEACH
Term 1								
BASELINES	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	29	21
TIME: HOURS	UNIT 1: PLACE VALUE 11 lessons			UNIT 2: ADDITION & SUBTRACTION 10 lessons				
Term 2								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 ASSESS	Week 7	34	23
UNIT 3: ADDITION & SUBTRACTION 9 lessons		UNIT 4: MULTIPLICATION & DIVISION 14 lessons						
Term 3								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		30	21
UNIT 5: MULTIPLICATION & DIVISION 10 lessons			UNIT 9: FRACTIONS 11 lessons					
Term 4								
Week 1	Week 2	Week 3	Week 4	Week 5 ASSESS	Week 6		28	20
UNIT 10: FRACTIONS 9 Lessons		UNIT 11: TIME 11 lessons						
Term 5								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		30	22
Unit 6: MONEY 5 lessons		UNIT 8: LENGTH 11 Lessons			UNIT 13: MASS 6 lessons			
Term 6								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 ASSESS	Week 7	33	26
UNIT 13: MASS 6 lessons		UNIT 14: CAPACITY (6)	UNIT 12: ANGLES AND PROPERTIES OF SHAPES (9)		UNIT 7: STATISTICS (5)			



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20 minutes a day Discrete Problem Solving Development		Mental Calculation	Mental Calculation	Mental Calculation	Problem solving task together	What if?		
YEAR 4 Main Mastery Lessons							AVAILABLE LESSONS	LESSONS TO TEACH
Term 1								
Week 1 BASELINES	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	29	19
TIME: HOURS/MINUTES	UNIT 1: PLACE VALUE (9 lessons)			UNIT 2: PLACE VALUE (8 lessons)		UNIT 10: DECIMAL PV (4)	UNIT 3: ADDITION & SUBTRACTION (4)	
Term 2								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 ASSESS	Week 7	29	20
UNIT 3: ADDITION & SUBTRACTION (4)		UNIT 5: MULTIPLICATION & DIVISION (11)			UNIT 13: TIME (5)			
Term 3								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		30	24
UNIT 6: MULTIPLICATION & DIVISION (14)				UNIT 4: PERIMETER (5)		UNIT 7: AREA (5)		
Term 4								
Week 1	Week 2	Week 3	Week 4	Week 5 ASSESS		Week 6	28	15
UNIT 8: FRACTIONS (7)			UNIT 9: FRACTIONS (8)					
Term 5								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		30	20
UNIT 10: DECIMALS (6)			UNIT 11: DECIMALS (5)		UNIT 14: STATISTICS (5)			
Term 6								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 ASSESS	Week 7	33	19
UNIT 12: MONEY (9)		UNIT 15: GEOMETRY (10)		UNIT 16: GEOMETRY (5)				

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20 minutes a day Discrete Problem Solving Development		Mental Calculation	Mental Calculation	Mental Calculation	Problem solving task together	What if?		
YEAR 5 Main Mastery Lessons						AVAILABLE LESSONS	LESSONS TO TEACH	
TERM 1								
WEEK 1 BASELINES	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	29	20
TIME	UNIT 1: PLACE VALUE WITHIN 100,000 ( 8 )			UNIT 2: PLACE VALUE WITHIN 1,000,000 (8 )		UNIT 11: DECIMALS PV & ROUNDING		
TERM 2								
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6 ASSESS	WEEK 7	29	27
UNIT 3: ADDITION AND SUBTRACTION (10)		UNIT 5: MULTIPLICATION AND DIVISION (10)			UNIT 6: AREA AND PERIMETER (7 LESSONS)			
TERM 3								
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6		30	26
UNIT 7: MULTIPLICATION AND DIVISION (11 LESSONS)		UNIT 8: FRACTIONS (8 LESSONS) UNIT 9: FRACTIONS (7 LESSONS)						
TERM 4								
WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5 ASSESS	WEEK 6		28	19
UNIT 9: FRACTIONS (5)	UNIT 10: FRACTIONS (7 LESSONS)		UNIT 4: GRAPHS & TABLES (4) UNIT 11: DECIMALS AND PERCENTAGES (4 LESSONS)					
TERM 5								
WEEK 1	WEEK 2	WEEK 3	WEEK 4	Week 5	Week 6		30	25
UNIT 11: DECIMALS AND PERCENTAGES (5)		UNIT 12: DECIMALS (15 LESSONS)			UNIT 15: GEOMETRY (5)			
TERM 6								
WEEK 1	WEEK 2	WEEK 3	WEEK 4	Week 5	WEEK 6 ASSESS	Week 7	33	25
UNIT 13: GEOMETRY (11 LESSONS)		UNIT 16: CONVERTING UNITS (10)		UNIT 17: VOLUME AND CAPACITY (4)				

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20 minutes a day Discrete Problem Solving Development		Mental Calculation	Mental Calculation	Mental Calculation	Problem solving task together	What if?

<b>YEAR 6 Main Mastery Lessons</b>							AVAILABLE LESSONS	LESSONS TO TEACH
<b>Term 1</b>								
Week 1 BASELINES	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	29	33
UNIT 1: PLACE VALUE				UNIT 2: ADDITION/SUBTRACTION & MULTIPLICATION				
<b>Term 2</b>								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 ASSESS	Week 7	29	33
UNIT 3: DIVISION		UNIT 4&5: FRACTIONS			UNIT 5: DECIMALS & %			
<b>Term 3</b>								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		30	30
UNIT 10: MEASURE	UNIT 11: MEASURE	UNIT 9: ALGEBRA	UNIT 12: RATIO & PROPORTION	UNIT 6: GEOMETRY	UNIT 13: GEOMETRY			
<b>Term 4</b>								
Week 1	Week 2	Week 3	Week 4	Week 5 ASSESS	Week 6			30
UNIT 15: STATISTICS	REVISION OPPORTUNITIES							
<b>Term 5</b>								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
SATS		PROBLEM SOLVING PROJECTS						
<b>Term 6</b>								
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 ASSESS	Week 7		
PROBLEM SOLVING PROJECTS								