MOT Curriculum Autumn 2

Compassion, Self-Awareness, Aspiration, Commitment, Resilience and Integrity

Maths On Track (Arithmetic) at Nonsuch Primary School

This programme of study is for Autumn 2

Arithmetic is systematically structured within our **Maths on Track** programme, building on pupils' prior learning to establish a strong foundation in essential number skills from Year 1 to Year 6. This carefully sequenced approach develops fluency in key areas of computation—including addition, subtraction, multiplication, and division—enabling children to apply these skills with confidence and accuracy. By continuously revisiting and reinforcing core concepts, **Maths on Track** supports long-term retention, ensuring pupils secure and embed their number knowledge effectively.

The programme is designed to provide dedicated skill-focused lessons while allowing teachers the flexibility to use assessment for learning to identify and address gaps in pupils' understanding and further address these within the programme. This ensures that **Maths on Track** lessons are skill based but have an element where they are tailored to the specific needs of each class, supporting progression and mastery in arithmetic.

Year 1 Arithmetic Medium Term Plan Autumn 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Content	Addition facts up to 10, e.g. 1+1 =, 9+1 = Addition facts up to 20, e.g. 8 +6, 9+5 =	Repeated addition, e.g. 2+2+2=	Subtraction facts up to 10, e.g. 5-4=, 9.7 =	Subtraction facts up to 20, e.g. 20 – 11 = Adding 10 more from a tens number, e.g. 40 + 10 + 10 =	Finding missing numbers for subtraction (using the inverse), e.g. 10 - __ = 2 Count in multiples of 2 from 0, e.g. 2x6 =	Count in multiples of 10 from 0 , e.g. 2 x 10 = Count in multiples of 5 from 0, 6 x 5 =

Year 2 Arithmetic Medium Term Plan Autumn 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Content	Read and write numbers to at least 100 (match numbers to words) Count forwards and backwards from any given number Even and odd numbers Compare and order numbers	Count in tens from any number forwards and backwards Counts in steps of 2, 5 and 3	Number bonds to facts of 20 Add three 1 digit numbers e.g. 9+7+3 = Add and subtract 10 to a 2 digit number e.g. 35-10 =	Add and subtract a 2 digit and a 1 digit, e.g. 12 + ___ = 19 2 digit add 2 digit	Multiplication facts, e.g. __ = 2x9 Division facts for the 2s, 5s and 10s., e.g. 25 ÷ 5 =	Matching equivalent fractions (pictorially) Find half of a quantity Find a quarter of a quantity

Year 3 Arithmetic Medium Term Plan Autumn 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Content	To recognise the place value of each digit in a three-digit number. Compare and order numbers to 1000, e.g. smallest to largest Read and write numbers to 1000 (match the numbers) Number bonds to 100	Add 3 numbers mentally, e.g. 7, 8 and 2 Add and subtract numbers mentally, e.g. 682 + 100, 682+1, 682+10 Find 10 or 100 more or less than a given number Add and subtract numbers mentally, e.g. 25+16, 30+ 824, 190 – 140	Formal written method for addition Formal written method for subtraction	Count from 0 in multiples of 4, 8 50 and 100 Multiply 2 digit by 1 digit	To know division facts for 3, 4 and 8, e.g. 40 ÷ 8 = Division facts with remainders (mentally)	Recognise and write fractions, e.g., find half of a quantity. Adding fractions with the same denominator Subtract fractions with the same denominator

Year 4 Arithmetic Medium Term Plan Autumn 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Content	Recognise the place value of each digit in a four digit number Compare and order numbers up to1000 Compare and order numbers beyond 1000 Find a 1000 more or less than any given number Counts in multiples of 6, 7, 9, 25 and 1000 Roman Numerals	Round any number to 10, 100 and 1000 Count backwards through zero to include negative numbers, e.g. 8 less than 3. Use place value to solve addition and subtraction mentally, e.g. 64 + 26 = Add and subtract numbers mentally, e.g. 172 – 8, 172, 18, 172, 121	Formal written method for addition Formal written method for subtraction Use the inverse to check calculations	To multiply and divide by 0 and 1 Recall multiplication and division facts up to 12x 12 Recall multiplication and division facts up to 12x 12 with missing numbers, e.g. __ x __ = 36 Recognise and use factor pairs in mental calculations, e.g. 12 x 6 = 6 x 12, 12 – 6= 6 – 12	To be able to multiply 3 numbers Multiply 2 digit by 1 digit with a formal method Divide a 1 and 2 digit number by 10, 100 and 1000 Count up and down in one hundredths	Round decimals with one decimal place to the nearest whole number. Compare numbers with the same number of decimal places, e.g. order 34.2, 28.3, etc. Recognise and write decimal equivalents, e.g. 6/10 = 0.6 Divide one digit decimal number by 10 and 100 Add and subtract fractions with the same denominator

Year 5 Arithmetic Medium Term Plan Autumn 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Content	Read, write, order and compare numbers to 1 000 000, e.g. lowest to highest Round any number to the nearest 10, 100 or 1000 Roman Numerals Count backwards through zero to include negative numbers, e.g. 8 less than 3. Writing numbers in words. Count forwards and backwards in steps of powers of 10. EG: 86070, 8607, 860.7.	Prime numbers Identify composite (non-prime) numbers. Find the common factor of two numbers. EG: What is the common factor of 21 and 35? Formal written method for addition, up to 6 digits Formal written method for subtraction, up to 6 digits	Recognise and solve problems with cubed numbers. Solve problems involving squared and cubed numbers. EG: $10^2 \div 2 =$ Recall multiplication and division facts up to 12x 12,e.g. 56 ÷ 7 = Formal written for multiplication, e.g. 3 digit by 1 digit	Identify multiples Identify factors Divide mentally EG: 2100 ÷300= Divide one or a two digit number by 10 and 100. EG: Divide 4 by 10	Formal written method for division, 4 digits by 1 digit. Compare and order fractions whose denominators are all multiples of the same number. EG: 1/2 , 7/8 ¾. Write percentages as decimals. E G: 36% as a decimal = 0.36	Adding and subtracting fractions with the same denominator Equivalent fractions Find fractions with the same value: EG: 1/3 = 7/21 Read and write decimal numbers as fractions

Year 6 MTP for arithmetic will be designed based on their latest data drop.