Sandbach Primary Academy Year 5 and 6

At Sandbach Primary Academy, Nursery, Reception, Year 1 and Year 2 children are taught in single-age, mixed attainment classes. Years 3 and 4 and years 5 and 6 are taught in mixed-age, mixed attainment classes.

Year 1 and 2 follow the Oak National Academy Curriculum Plans for KS1.

In our mixed age classes (year 3-4 and year 5-6), with the support of the Maths Hub, we have carefully aligned the units to allow both year groups to be taught together. These classes follow a two-year cycle, ensuring that they meet all objectives in a coherent sequence.

The National Curriculum states:
The programmes of study for mathematics are set out year-by-year for key stages 1 and 2. Schools are, however, only required to teach the relevant programme of study by the end of the key stage. Within each key stage, schools therefore have the flexibility to introduce content earlier or later than set out in the programme of study. In addition, schools can introduce key stage content during an earlier key stage, if appropriate.

The two-year cycle for Year 5 and 6 is detailed below.

⚓ Indicates Blocks which appear in both years.

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| Year 5 / 6 A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Oak Autumn | Block ACalculating – knowledge of structures | Block BMultiples of 1,000 | Block C Numbers to 10,000,000 | Block DDecimal fractions⚓ | Block EFractions⚓ | Block F Multiplication and division⚓ |
| Y6 U1 | Y6 U2 | Y6 U3 | Y6 U4 | Y6 U5, Y6 U6, Y6 U7 | Y5 U1, Y5 U2,Y5 U3, Y5 U4, Y5 U5 | Y5 U18, Y5 U19, Y5 U20,Y5 U21 | Y6 U9 | Y6 U10 |
| Use knowledge of part-part-whole structure to solve additive problems | Use equivalence and compensation to simplify and solve addition calculations | Use equivalence and compensation to simplify and solve subtraction problems | Multiples of 1,000 | Understand place value within numbers with up to 7 digitsOrder, compare and calculate with numbers up to 8 digitsRounding and solving problems with numbers up to 7 digits | Understand tenths as part of a whole, represent and calculate mentallyCompose and calculate with decimals including column addition and subtractionUnderstand hundredths as parts of a whole and representUse knowledge of decimals to solve problems in different contexts: lengthMoney: apply efficient strategies when calculating with money | Multiply a proper fraction by a whole numberMultiply improper fractions and mixed numbers by a whole number Find unit and non-unit fractions of whole numbers exploring parts and wholesComparing fractions using equivalence and decimals | Using equivalence to calculate | Multiplying and dividing by 2-digit numbers |
| Ongoing |  | Y6 U20 Order of operations and algebra | Y5 U13 Calculating with decimal fractions | Year 5 U14, 15, 16, 17 Factors, Multiples and Primes | Y6 U19 [Solving problems with two unknowns](https://www.ncetm.org.uk/classroom-resources/cp-year-6-unit-11-solving-problems-with-two-unknowns/) |
| Oak Spring | Block GArea and perimeter | Block H⚓Fractions and percentages | Block IStatistics | Block JRatio and Proportion | Block KDrawing and composing shapes (1) |  |  |  |
| Y6 U11 | Y6 U12 |  Y6 U13  | Y6 U14 | Y6 U15 | Y6 U16 | Y6 U17 | Y6 U8 |
| Area, perimeter, position and direction | Addition and subtraction of fractions | Comparing fractions | Multiplication and division of fractions | Understanding percentages | Statistics | Ratio and proportion | Draw, compose and decompose shapes |
| Ongoing | Y6 U19 [Solving problems with two unknowns](https://www.ncetm.org.uk/classroom-resources/cp-year-6-unit-11-solving-problems-with-two-unknowns/) | Y5 U6 Negative Numbers | Y5 U10,11, 12 Focus on scaling | Y5 U5 Money | Y6 U21 Mean average |  |  |  |

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|  | Weeks 1 - 4 | Week 5 | Week 6 | Week 7  | Week 8 | Week 9 | Week 10 | Week 11 and 12 |  |  |  |
| Oak Summer | Block L Revision |  | Block MMean average | Block NDrawing and composing shapes (2) | Block OCalculating using knowledge of structures | Block PProblems | Block QOrder of operations |  |  |  |
| Revision for KS2 SATS | KS2 SATs | Y6 U21 | Y6 U8 | Y6 U18 | Y6 U19 | Y6 U20 |
| (including content from Cycle A and light touch converting units of measure and angles Year 5 Unit 9 and 10) |  | Mean average | Draw, compose and decompose shapes | Calculating using knowledge of equivalence in addition and subtraction | Solving problems with two unknowns | Order of operations |
| Ongoing | Weekly Arithmetic Practice Application and Skills – Daily Arithmetic Practice |

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| Year 5 / 6 B | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Oak Autumn | Block A ⚓Decimal fractions | Block BMoney | Block CNegative numbers | Block DShort multiplication and division | Block E ⚓Multiplication and division |
| Y5 U1 | Y5 U2 | Y5 U3 | Y5 U4 | Y5 U5 | Y5 U6 |  | Y5 U7 | Y5 U8 | Y5 U9 | Y6 U9 | Y6 U10 |
| Understand tenths as part of a whole, represent and calculate mentally | Compose and calculate with decimals including column addition and subtraction | Understand hundredths as parts of a whole and represent | Use knowledge of decimals to solve problems in different contexts: length | Money: apply efficient strategies when calculating with money | Negative numbers | Multiplication by partitioning leading to short multiplication (2 by 1-digit) | Multiplication by partitioning leading to short multiplication (3 by 1-digit) | Division by partitioning leading to short division (2 and 3-digits by 1-digit) | Using equivalence to calculate | Multiplying and dividing by 2-digit numbers |
| Ongoing |  | Y6 U20 Order of operations and algebra |  | Y6 U19 [Solving problems with two unknowns](https://www.ncetm.org.uk/classroom-resources/cp-year-6-unit-11-solving-problems-with-two-unknowns/) |
| Oak Spring | Block F ⚓Fractions | Block G ⚓Fractions and percentages | Block HCalculating with decimal fractions | Block IArea and scaling | Block JFactors, multiples and primes (1) |  |  |  |
| Y5 U18 | Y5 U19 | Y5 U20 | Y5 U21 | Y6 U12, 13, 14, 15 | Y5 U13 | Y5 U10Y5 U11 | Y5 U12 | Y5 U14Y5 U15 |
| Multiply a proper fraction by a whole number | Multiply improper fractions and mixed numbers by a whole number | Find unit and non-unit fractions of whole numbers exploring parts and wholes | Comparing fractions using equivalence and decimals | Addition and subtraction of fractionsComparing fractionsMultiplication and division of fractionsUnderstanding percentages | Calculating with decimal fractions | Understand the concept of areaLink area of rectangles to multiplication | Compare and describe measurements using knowledge of multiplication and division | Understand the concept of volumeMultiply 3 or more numbers (commutative and associative laws) |
| Ongoing | Y6 U19 [Solving problems with two unknowns](https://www.ncetm.org.uk/classroom-resources/cp-year-6-unit-11-solving-problems-with-two-unknowns/) |  | Y6 U21 Mean average |  |  |  |

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|  | Weeks 1 - 4 | Week 5 | Week 6 | Week 7  | Week 8 | Week 9 | Week 10 | Week 11  | Week 12 |  |  |  |
| Oak Summer | Block K Revision |  | Block LFactors, multiples and primes (2) | Block KConverting Units | Block LAngles |  |  |  |
| Revision for KS2 SATS | KS2 SATs | Y5 U16 | Y5 U17 | Y5 U22 | Y5 U23 |
| (including content from Cycle A and light touch converting units of measure and angles Year 5 Unit 9 and 10) |  | Understand and use the concept of factorisation (square and prime numbers) | Use common factors and multiples to solve calculations efficiently | Converting units | Angles: compare, name, estimate and measure angles |
| Ongoing | Weekly Arithmetic Practice Application and Skills – Daily Arithmetic Practice |