Year 7 Maths

Year 7 - Maths - Autumn term 1st half	
Unit of work	**Knowledge / Skills**
1a. Numbers & the number system – Part 1	• Primes, factors & multiples • HCF and LCM
1b. Numbers & the number system – Part 2	• Number patterns • Triangular numbers • Squares, cubes and roots
2a. Calculating – Part 1	• Place value (integers) • Integer arithmetic
2b. Calculating – Part 2	• Place value (decimals) • Decimal arithmetic

Key Terms: Factor, multiple, prime numbers, highest common factor (HCF), lowest common multiple (LCM), linear sequence, arithmetic sequence, triangular number, power, square number, cube number, square root, cube root, addition, subtraction, long multiplication, short division, long division, remainder

Course Materials: All resources are provided in Maths lessons

Homework will include: Unit practice questions, revision for unit test, prior learning recall questions

Assessment details: End of unit tests on current learning
Termly assessment of a 45 minute paper (Part 1 Calculator, Part 2 Non-calculator)
When will the assessments take place? End of unit tests take place approximately fortnightly
Termly assessment 3 weeks before half term
[Note: Set changes may take place following the termly assessment]

Year 7 - Maths - Autumn term 2nd half	
Unit of work	**Knowledge / Skills**
3. Checking, approximating & estimating	- Rounding to nearest 10, 100, 1000… - Rounding to decimal places - Rounding to significant figures - Estimating calculations by rounding
4. Counting & comparing	- Comparing numbers and use of inequality signs - Ordering integers and decimals - Ordering fractions
(Unit 5 moved to other units) **6. Investigating properties of shapes**	3D shapes - Line and rotational symmetry - Quadrilaterals - Triangles – properties and construction

Key Terms: Improper fraction, top-heavy fraction, mixed number, operation, inverse, , approximate, round, decimal place, check, solution, answer, estimate, order of magnitude, accurate, accuracy, significant figure, cancel, positive number, negative number, integer, numerator, denominator, face, edge, vertex (vertices), cube, cuboid, prism, cylinder, pyramid, cone, sphere, quadrilateral, square, rectangle, parallelogram, (isosceles) trapezium, kite, rhombus, diagonal, perpendicular, parallel, triangle, scalene, right-angled, isosceles, equilateral

Course Materials: All resources are provided in Maths lessons

Homework will include: Unit practice questions, revision for unit test, prior learning recall questions

Assessment details: End of unit tests on current learning
When will the assessments take place? End of unit tests take place approximately fortnightly