Year 7 Curriculum Overview (Higher and Foundation)

Autumn Half Term 1

- Negative numbers
- BIDMAS
- Written methods of calculations
- Operations with fractions
- Algebraic notation
- Substitution
- Fractions and percentages of amounts
- Probability basics
- Translations

Autumn Half Term 2

- Rotations
- Types of number inc. roots
- HCF and LCM

TERM 1 ASSESSMENT (All topics listed prior)

- Simplifying expressions
- Expanding brackets
- Multiplying decimals
- Investigations

Spring Half Term 1

- Averages
- Stem and leaf diagrams
- Area inc. triangles and composite
- Surface area of cubes and cuboids
- Rounding to DP and SF
- Estimating

Spring Half Term 2

TERM 2 ASSESSMENT (All year 7 topics prior)

- Sequences inc. geometric and Fibonacci
- Angle types and reasoning inc. parallel lines
- Dividing decimals
- Forming expressions and formulae
- Investigations

Summer Half Term 1

- Constructions
- Bearings
- Solving linear equations
- 3-D drawing, plans, elevations
- Inequalities

Summer Half Term 2

TERM 3 ASSESSMENT (All year 7 topics prior)

- Direct/indirect proportion problems in range of contexts
- Volume of cuboids and basic density
- Data cycle
- End of year review week – teacher choice
- Investigations

Disciplinary Literacy

Fraction, Percentage, Expression, Term, Angle, Sum, Area, Proportion, Probability, Sequence, Decimal, Factor, Multiple, Prime, Square, Cube, Equation

Year 8 Curriculum Overview (Higher and Foundation)

Autumn Half Term 1

- Ratio
- Enlargements
- Solving simple quadratic equations
- 4 operations with fractions and mixed numbers revision
- Year 7 review week
- Representing data: dual bar charts and pie charts

Autumn Half Term 2

- Percentage change
- Venn diagrams

TERM 1 ASSESSMENT (All topics listed prior inc. year 7 review weeks)

- Time calculations
- Speed basics
- Experimental probability
- Investigations

Spring Half Term 1

- Plotting equations of lines
- Reflections and combining transformations
- Multiplying by negative powers of 10
- Metric vs imperial system
- Metric conversions

Spring Half Term 2

TERM 2 ASSESSMENT (All year 8 topics prior inc. year 7 review weeks)

- Year 7 review week
- Forming frequency tables
- Identifying quartiles
- Parts of a circle and pi
- Area and circumference of a circle
- Investigations

Summer Half Term 1

- Exchange rates
- Area of a trapezium
- Year 7 review week
- Nth term
- Long multiplication and division revision

Summer Half Term 2

TERM 3 ASSESSMENT (All year 8 topics prior inc. year 7 review weeks)

- Constructions and loci
- Laws of indices
- Multiplying and dividing complex algebraic terms
- Further bearings revision
- Investigations

Disciplinary Literacy

Transformations, Venn Diagram, Average Speed, Nth Term, Exchange Rate, Conversion, Frequency, Median, Quartiles, Circumference, Function, Ratio

Year 9 Higher Curriculum Overview

Autumn Half Term 1

- Negative numbers revision
- Factorising expressions
- Expanding double brackets
- Product of prime factors
- HCF and LCM of large numbers
- Negative and fractional powers
- Standard form
- Angles in regular polygons

Autumn Half Term 2

- Representing data: pie charts revision, time-series, 2-way tables

TERM 1 ASSESSMENT (All topics listed prior)

- Multiplying/dividing by decimals
- Surds
- Averages from frequency tables

Spring Half Term 1

- Solving 3+ step linear equations inc. fractions and unknowns both sides
- Changing the subject of the formula
- Forming and solving equations
- Pythagoras
- Trig (right angled only)

Spring Half Term 2

- Drawing linear graphs revision
- $Y = mx + c$
- Parallel and perpendicular gradients

TERM 2 ASSESSMENT (All topics prior)

- Fraction operation revision
- Proportion problem revision
- Ratio problem solving: a:b and b:c, 1:n

Summer Half Term 1

- Calculating sectors and arcs
- Percentage multiplier revision
- Recurring decimals
- Plotting quadratic, cubic, reciprocal, exponential graphs
- Linear Nth term problem solving
- Quadratic Nth term

Summer Half Term 2

TERM 3 ASSESSMENT (All topics prior)

- Volume of prisms and cylinders
- Area and volume conversions
- Surface areas of prisms and cylinders
- Distance-time graphs
- Velocity-time graphs
- Transformations revision

Disciplinary Literacy

Indices, Base, Factorise, Polygon, Data, Class Interval, Rearranging, Gradient, y-intercept, Cubic, Reciprocal, Exponential, Perpendicular, Trigonometry, Sector, Arc

Year 9 Foundation Curriculum Overview

Autumn Half Term 1

- Negative numbers revision
- Simplifying expressions and indices
- Expanding and factorising (single brackets only)
- Number types
- Product of primes
- HCF and LCM (large numbers)
- Angle reasoning revision
- Angles in regular polygons

Autumn Half Term 2

- Representing data: pie charts revision, time-series, 2-way tables

TERM 1 ASSESSMENT (All topics prior)

- Multiplying and dividing decimals
- Estimating calculations
- Averages from lists and frequency tables

Spring Half Term 1

- Operations with fractions and mixed numbers revision
- Solving equations up to 3+ steps
- Rounding to DP and SF
- Estimating

Spring Half Term 2

- Area and perimeter inc. triangles, composite and trapeziums
- Forming and solving equations

TERM 2 ASSESSMENT (All topics prior)

- FDP conversion revision
- Fractions of amounts problem solving
- Percentages revision

Summer Half Term 1

- Year 9 review week
- Surface area of prisms
- Nth term
- End of year 9 revision

Summer Half Term 2

TERM 3 ASSESSMENT (All topics prior)

- Volume of prisms
- Plans and elevations revision
- Percentages (multiplier method)
- Rearranging formulae

Disciplinary Literacy

Polygon, Data, Class Interval, Estimating Prism, Rearranging, Equation, HCF, LCM, Factorise, Prime Factor, Indices, Expressions, Perpendicular