- Using the calculator to evaluate expressions.
- Scientific notation and significant figures.
- Using the index laws.
- Writing recurring decimals as rational numbers (fractions).
- Substitution in formulae.
- All applications of surds:
- simplifying surds
- writing an expression as an entire surd
- expansions involving surds
- rationalising the denominator
- All algebraic applications:
- simplifying
- expanding
- factorising
- algebraic fractions
- Equations:
- linear equations
- quadratic equations
- absolute value equations
- Inequalities:
- linear inequalities
- quadratic inequalities
- Simultaneous equations:
- two linear
- one linear and one non-linear\}
- All plane geometry.
- Angle sum of a polygon.
- Areas, volumes and surface areas.
- Trigonometry
- right-angled problems
- complementary angles
- Algebraic fractions:
- fractions
- expansions
- factorisation
- solving inequalities with the unknown in the denominator
- absolute value equations
- indicial equations
- Simultaneous equations with three unknowns.
- Trigonometry:
- right-angled problems
- exact values
- angles of any magnitude
- complementary ratios
- sine and cosine rules
- trigonometric identities
- All real functions
- Locus
- All circle geometry
- Pythagoras theorem
- Calculus
- continuity
- limits
- Angle sum of a polygon

