

Southlands School
Curriculum Overview
2021-22

Subject: Mathematics

	Term 1	Term 2	Term 3
Year 7	Number sense /Place value / mental strategies Calculations – introduction to formal notation Time Fractions Decimal fractions Money Shape recognition and naming 2d/3d Working with rectilinear shapes	Number sense /Place value / doubles and halves / number patterns Negative numbers Lines vertical horizontal diagonal Calculating with fractions Ratio Measure – reading from a range of scales Length mass and capacity Shape families – Polygons	Number sense /Place value / estimation / rounding Calculator skills Calculations –formal notation and inverse methods of checking Probability Data handling – direct retrieval accurate representation of information Coordinates and translations Shape 3d name and describe begin to recognise in pictures
Year 8	Number sense /Place value / mental strategies Calculations – introduction to formal notation and inverse methods of checking Time Fractions Decimal fractions Money Shape 2d/3d – recognising properties and beginning to classify	Number sense /Place value / doubles and halves / number patterns Negative numbers Lines perpendicular opposite and adjacent Measuring and naming angles Begin Calculating with fractions Ratio	Number sense /Place value / estimation / rounding Calculator skills Calculations – use of formal notation independent checking Probability Data handling / interpreting /calculations Coordinates and translations Shape 3d – identify

	Perimeter and area of basic shapes	Measure –beginning to calculate with Length mass and capacity Shape families – triangle focus	shapes from 2d drawings begin to recognise nets of shapes
Year 9	Number sense /Place value / mental strategies Calculations – introduction to formal notation Time Fractions of shape / amount Decimal fractions Money Shape 2d/3d –classify according to properties Perimeter and area of compound shapes use of formula for circles and triangles	Number sense /Place value / doubles and halves / number patterns Negative numbers Lines / angles / calculating missing angles Calculating with fractions Ratio Measure – reasoning with Length mass and capacity Shape families – quadrilateral focus	Number sense /Place value / estimation / rounding Calculator skills Calculations – formal notation inverse methods of checking begin self correction Probability Data handling / designing /interpreting /calculations Coordinates and translations Shape 3d – investigate nets of shapes surface area
Year 10 Year 11 2 year cycle for KS4	Number Sense Ratio Calculations Money	Ratio Time and calendar Measure Geometry	Data Life skills.

KS3 follow a spiral curriculum on a primary model to allow for gap filling and over learning. The repetition and reinforcement allow multiple opportunities to address misconceptions and develop retention

KS4 follow a 2 year cycle to fit with assessments. In Summer term Y11 focus on independence and functional mathematics. Life skills such as budgeting and money sense are covered alongside employability related tasks tailored to students inspirational careers.