Medium-term planning Spring 2

W	Topic	Curriculum objective
1	Mental calculation	• To estimate and use inverse operations to check answers to a calculation. • To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. • To recall multiplication and division facts for multiplication tables up to 12 × 12. • To recognise and use factor pairs and commutativity in mental calculations. • To solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which *n* objects are connected to *m* objects.
2	Written addition and subtraction	• To add and subtract numbers with up to four digits using the efficient written methods of columnar addition and subtraction where appropriate. • To estimate and use inverse operations to check answers to a calculation. • To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
3	Time	• To read, write and convert time between analogue and digital 12- and 24-hour clocks. • To solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
4	Written multiplication and division	• To recall multiplication and division facts for multiplication tables up to 12 × 12. • To use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers. • To multiply two-digit and three-digit numbers by a one-digit number using formal written layout. • To solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which *n* objects are connected to *m* objects.
5	Geometry	• To compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. • To identify acute and obtuse angles and compare and order angles up to two right angles by size. • To describe positions on a 2D grid as coordinates in the first quadrant. • To describe movements between positions as translations of a given unit to the left/right and up/down. • To plot specified points and draw sides to complete a given polygon.
6	Data handling and measurement	• To interpret and present discrete data using bar charts and continuous data using time graphs. • To solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and simple line graphs. • To convert between different units of measure (kilometre to metre; hour to minute). • To estimate, compare and calculate different measures, including money in pounds and pence.
Assess and review		• To assess the half-term's work.

Stukeley Federation