Stanley Road Open-Ended Tasks: Maths

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	**Number Place Value (Within 10)** **Ten-Frame Games Game 3: Ten-Frame Flash** https://nrich.maths.org/10742 *(Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least)*	**Geometry (Shape)** **Shapes in the bag** https://nrich.maths.org/10387 *(Recognise and name common 2-D and 3-D shapes, including:* • *2-D shapes* • *3-D shapes)*	**Addition and Subtraction** **Butterfly Flowers** https://nrich.maths.org/229 *(Represent and use number bonds and related subtraction facts within 20)*	**Measurement** **Bottles** https://nrich.maths.org/10337 *Compare, describe and solve practical problems for:* • *lengths and heights* • *mass or weight* • *capacity/volume* • *time*	**Multiplication and Division** **Magic Plant** https://nrich.maths.org/145 *(Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher)*	**Measurement** **Times of Day** https://nrich.maths.org/6609 *(Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening)*
Year 2	**Place Value** **6 Beads** https://nrich.maths.org/152/index *(Recognise the place value of each digit in a two-digit number (tens, ones)*	**Multiplication & Division** **Which Symbol** https://nrich.maths.org/6777 *(Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.)*	**Properties of Shapes** **School Fair Necklaces** https://nrich.maths.org/9692 *(Order and arrange combinations of mathematical objects in patterns and sequences.)*	**Time** **What is the Time?** https://nrich.maths.org/7377 *(Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.)*	**SATs**	**Fractions** **Fair Feast** https://nrich.maths.org/2361 *(Recognise, find, name and write fractions of a length, shape, set of objects or quantity.)*

Year 3	**Addition & Subtraction** **Super Shapes** https://nrich.maths.org/1056 *(Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.)*	**Multiplication & Division** **Ordering Cards** https://nrich.maths.org/8058 *(Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.)*	**Multiplication & Division** **Making longer, Making Shorter** https://nrich.maths.org/5590 *(solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects_*	**Fractions** **Fraction Match** https://nrich.maths.org/6938 *(Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.)*	**Measurement** **The Time Is** https://nrich.maths.org/7384 *(Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.)*	**Measurement** **Oh! Harry!** https://nrich.maths.org/5979 *(Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)*
Year 4	**Addition & Subtraction** **Fifteen Cards** **https://nrich.maths.org/7506** *(Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.)*	**Multiplication & Division** **Shape times Shape** https://nrich.maths.org/5714 *(Recall multiplication and division facts for multiplication tables up to 12x12)*	**Fractions** **Fractional Wall** **https://nrich.maths.org/4519** **(**Recognise and show, using diagrams, families of common equivalent fractions.)*	**Fractions** **Fractional Triangles** https://nrich.maths.org/2124 **(**Recognise and show, using diagrams, families of common equivalent fractions.)*	**Decimals** **Round the dice decimals** https://nrich.maths.org/10438 *(Round decimals with one decimal place to the nearest whole number.)*	**Properties of Shapes** **Always, Sometimes, Never: Shape** https://nrich.maths.org/12673 *(Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.)*

Year 5	**Addition & Subtraction** **Maze 100** **https://nrich.maths.org/91** *(Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.)*	**Perimeter & Area** **Area and Perimeter** https://nrich.maths.org/7280 *(Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.)*	**Multiplication & Division** **Make 100** https://nrich.maths.org/1013 *(Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.)*	**Decimals & Percentages** **Doughnut Percentages** https://nrich.maths.org/6945 *(Solve problems, which require knowing percentage and decimal equivalents and those fractions with a denominator of a multiple of 10 or 25.)*	**Properties of Shapes:** **Six Places to Visit** https://nrich.maths.org/5655 *(Draw given angles, and measure them in degrees (°))*	**Position and Direction** **Coordinate Challenge** *https://nrich.maths.org/5038* *(Describe positions on a 2-D grid as coordinates in the first quadrant.)*
Year 6	**Four Operations** **Square Numbers** https://nrich.maths.org/6571 *(Solve problems involving addition, subtraction, multiplication and division.)*	**Fractions** **Matching Fractions, Decimals and Percentages** https://nrich.maths.org/1249/note *(Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.)*	**Decimals & Percentages** **Would you rather?** https://nrich.maths.org/1118 *(Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison.)*	**Properties of Shapes** **Shape Draw** https://nrich.maths.org/10368 *(Draw 2-D shapes using given dimensions and angles.)*	**SATs**	**Four Operations** **Always, Sometimes or Never. Number** https://nrich.maths.org/12672 *(Solve problems involving addition, subtraction, multiplication and division.)*