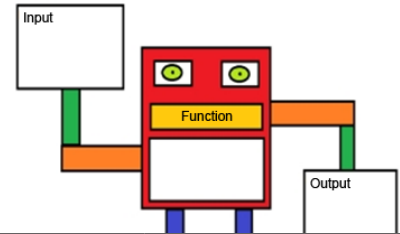


Contextual Maths in KS1 Topics

Topics present abundant opportunities for contextual maths. Have fun with meaningful maths and explore a cross-curricular topic at the same time.



Maths content	Maths references	Topic
Plot a route and carry out a travel and traffic survey	Statistics: <ul style="list-style-type: none"> • Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. • Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. • Ask and answer questions about totaling and comparing categorical data. 	Our School and Local Area Block A: Our School wrht.org.uk/ourschool
Gather information through field work, orienteering, measuring and map activities	<ul style="list-style-type: none"> • Measure and begin to record the following: lengths and heights. 	Our School and Local Area Block B: Our Playground wrht.org.uk/playgroundmaths
Tally charts, maths reasoning, problem solving, shapes, sequences	<ul style="list-style-type: none"> • Interpret and construct simple tally charts and tables. • Reason mathematically by following a line of enquiry. • Develop an argument, justification or proof using mathematical language. • Solve problems by applying mathematics to a variety of routine and non-routine problems. • Solve one-step problems that involve addition and subtraction or multiplication and division. • Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. • Work with patterns of shapes, including those in different orientations. • Order and arrange combinations of mathematical objects in patterns and sequences. 	Famous for more than 5 minutes Block H: Mathematicians wrht.org.uk/mathematicians
Count the world's oceans and continents, comparing them in width	<ul style="list-style-type: none"> • Add and subtract one-digit and two-digit numbers to 20. • Compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]. 	Oceans and Seas Block A: Oceans and Seas of the World wrht.org.uk/oceanworld
		<i>Continued</i>

Maths content	Maths references	Topic
Difference between 2-D and 3-D shapes, construct 3-D sculptures	<ul style="list-style-type: none"> Recognise and name common 2-D and 3-D shapes. Identify and describe the properties of 3-D shapes. 	Oceans and Seas Block B: Atlantic Underwater World wrht.org.uk/atlantic
Instructions for direction, compass points	<ul style="list-style-type: none"> Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line. 	Oceans and Seas Block E: Fantasy Islands wrht.org.uk/fantasyisland
Pictograms, shapes, codes, dates	<ul style="list-style-type: none"> Recognise and use language relating to dates, including weeks, months and years; to compare intervals of time; to read numbers to 100 in numerals; to use place value and number facts to solve problems. Measure and begin to record mass/weight; to choose and use appropriate standard units to measure mass (kg/g) to the nearest appropriate unit, using scales. Construct simple pictograms; to answer simple questions by counting the number of objects in each category and sorting the categories by quantity; to ask and answer questions about totalling and comparing categorical data. Recognise, identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line. 	Oceans and Seas Block F: Ships wrht.org.uk/ships
Pictograms, tally charts	<ul style="list-style-type: none"> Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer questions about totally and comparing categorical data. 	We are Britain Block D: Mountains and Hills wrht.org.uk/mountains
Measure ingredients for baking	<ul style="list-style-type: none"> Practical measuring and beginning to record mass/weight. 	We are Britain Block G: Celebrate Britain wrht.org.uk/mountains
Collecting, analyzing and reporting data	<ul style="list-style-type: none"> Collect, analyse and report data. 	Weather Experts Block B: Meteorologists wrht.org.uk/meteorologists
		<i>Continued</i>

Maths content	Maths references	Topic
Months of the year, collect data, compile block graphs	<ul style="list-style-type: none"> • Measurement - recognise and use language relating to dates, including days of the week, weeks, months and years. • Statistics - interpret and construct simple pictograms, tally charts, block diagrams and simple tables, ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity, ask and answer questions about totalling and comparing categorical data. 	Commemorating Events Beyond Living Memory Block E: Monarch's Official Birthday wrht.org.uk/monarchbirthday
Locational and directional language, 2-D shapes	<ul style="list-style-type: none"> • Measure length. • Describe position, direction and movement, including whole, half, quarter and three-quarter turns (clockwise and anti-clockwise). • Recognise and name common 2D shapes including number of sides. 	Geographical Skills wrht.org.uk/geoskills
Collect daily data for block diagrams, analyse data	<p>Measurement:</p> <ul style="list-style-type: none"> • Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]. • Recognise and use language relating to dates, including days of the week, weeks, months, years. • Compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]. <p>Statistics:</p> <ul style="list-style-type: none"> • Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. • Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. • Ask and answer questions about totalling and comparing categorical data. 	Raising Awareness Days Block B: Walk to School Week wrht.org.uk/walkschool
Use containers of different capacities	<ul style="list-style-type: none"> • Measurement: Compare, describe and solve practical problems for capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]. 	Raising Awareness Days Block F: World Water Day wrht.org.uk/worldwaterday
		<i>Continued</i>

<i>Maths content</i>	<i>Maths references</i>	<i>Topic</i>
<p>Investigate and calculate food miles, create block charts</p>	<ul style="list-style-type: none"> • Read, write and compare numbers to 100 in numerals. • Identify, represent and estimate numbers. • Compare and order lengths (distances). • Represent numbers using pictorial representations, and use the language of: equal to, more than, less than (fewer), most, least. • Interpret and construct simple block diagrams. • Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. • Ask and answer questions about totalling and comparing data. 	<p>Changes within Living Memory Block F: Food wrht.org.uk/food</p>