



Y1 Maths overview 2019-20

Maths Activity	Desired Skills	Approaches to Developing Skills	Desired Knowledge and Understanding	Approaches to Developing Knowledge and Understanding	Curricula Materials	Assessed through (T1 T2 T3)		
						Arithmetic	Problem solving Reasoning	Times tables
Fluency	<ul style="list-style-type: none"> recall the answers to basic math facts automatically and without hesitation 	<p>Times table testing- each class has a weekly slot to test the children on their timetables</p> <p>144 Club - Incentive for children to learn all of their times tables</p>	<p>Understanding place value of numbers</p> <p>Understanding addition and subtraction of numbers</p> <p>Understanding Geometry- shape/positional language</p>	<ul style="list-style-type: none"> Class teacher modelling Class differentiated work Concrete resources available Using outdoor opportunities Money week 	<p>TERM 1:</p> <ul style="list-style-type: none"> Number counting and sequencing to 10 and 20 Addition and subtraction within 10 1 more and 1 less Shapes and patterns of 2D shapes and 3D shapes Number bonds up to 20 	<p>Most children will be able to... (working at)</p>	<p>Some children will not yet be able to...(working towards)</p>	<p>Some children are confidently able to... (exceeding)</p>
Reasoning	<ul style="list-style-type: none"> follow a line of enquiry, conjecturing relationships and generalisations develop an argument justify or prove using mathematical language 	<p>Display the appropriate Maths vocabulary to support children as reasoning requires a lot of active talk</p>	<p>Understanding multiplication and division of numbers</p> <p>Understanding Measurement-length/weight/volume/height time/money</p> <p>Understanding fractions of numbers</p>	<ul style="list-style-type: none"> Mathletics Maths Homework Problem solving opportunities in lessons 	<p>TERM 2:</p> <ul style="list-style-type: none"> Exploring calculation strategies within 20 Time- half past and o clock Place value of numbers to 40 Adding and subtracting within 40 length, weight and volume 			
Problem solving	<ul style="list-style-type: none"> identify and understanding the problem plan the ways to solve a problem monitor progress in tackling a problem review a solution to a problem 	<p>Opportunities to apply this skill in their maths lessons daily</p> <p>Problem solving is applied across other subjects such as Science and DT</p> <p>We will be having a problem solving focused week in the year which will link to another subject</p>			<p>TERM 3:</p> <ul style="list-style-type: none"> Place value of numbers to 100 Recognising coins and solving money word problems Multiplication and division (reinforce multiples of 2's, 5's and 10's) 			
Mathletics	<ul style="list-style-type: none"> apply the skills they have learnt 	<p>Children can access Mathletics at home</p> <p>Teachers monitor the child's progress by accessing what level the child is on</p> <p>Rewards are given in Fridays assemblies for completing certain levels</p>						
Presenting data/ Communicating	<ul style="list-style-type: none"> use a variety of software (excel) to present information 	<p>Opportunities to use excel to present collected data</p>						
SMSC	<ul style="list-style-type: none"> research in pairs or individually according to given briefs enjoyment of Y1 Maths curriculum (investigating, problem-solving, teamwork, collaborating, presenting) 	<p>Provide opportunities for children to research in pairs</p> <p>Plan in collaboration, teamwork, problem-solving and investigating opportunities</p>						