



Y5 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 tasks Concrete resources available Using outdoor opportunities Money week 	<p>TERM 1:</p> <ul style="list-style-type: none"> Reasoning with large whole numbers Problem solving Addition and subtraction Multiplication and division Converting units- Weight, length, perimeter and time Volume and area 	<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/temperature/capacity</p>	<ul style="list-style-type: none"> Mathletics online resource Maths home learning Problem-solving opportunities in lessons 	<p>TERM 2:</p> <ul style="list-style-type: none"> Fractions Line graphs and timetables Understanding decimals Calculating percentages 			
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>Understanding fractions of numbers</p> <p>Problem-solving Decimals</p>	<p>TERM 3:</p> <ul style="list-style-type: none"> Angles 2D and 3D shape and transformations Calculating with whole numbers and decimals 				
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>	<p>Understanding statistics</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 Y5 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>						