

## Cove Junior School Curriculum Statement Maths



## **Curriculum Impact for Maths**

Maths is a core subject and is therefore assessed regularly to ascertain the children's learning and retention of key concepts. This information is reviewed by senior leaders, the maths leader, year leaders and teaching teams to ensure that there is parity of learning across the classes and for all children.

Because children are at the centre of the teaching values at Cove Junior School, regular conferencing with children is undertaken to ascertain and share their views about maths.

We value the importance of maths across the curriculum. Maths skills are consolidated and enhanced when pupils have opportunities to apply and develop them across the curriculum. Poor maths skills hold back pupils' progress and can lower their self-esteem. Improving these skills can be tackled on a whole school basis by ensuring mathematical skills are used across the curriculum so that pupils become confident at tackling maths in any context. We also employ a 'no talk' teaching approach in some areas to ensure that children's difficulties with language are not holding them back in maths.

Linking maths into other subjects makes it much more interesting and enables children to understand that maths is all around us in our daily life.



## Curriculum Links with other areas of the curriculum

Mathematical knowledge is applied and embedded in all areas of the wider curriculum:

## Science

As part of STEM, maths and science are tightly linked together. Almost every scientific investigation is likely to require one or more of the mathematical skills of classifying, counting, measuring, calculating, estimating, and recording in tables or in graphs. Algebra is useful when using formulas in science. Converting between metric units and between imperial and metric units is also used in some scientific investigations. Data handling is used extensively in science. Most charts and graphs that are used in science are also used in maths.

English		PE		
<ul> <li>Reasoning and explanations</li> <li>Editing responses</li> <li>Reading and writing in maths books</li> <li>Interpreting and discussing results and patterns</li> <li>Making a video to explain a new concept</li> <li>Unpicking key maths vocabulary</li> </ul>		<ul> <li>Repeating sequences in gymnastics/dance</li> <li>Time, distance and speed in races</li> <li>Collecting data to analyse performance</li> <li>Averages to asses an athlete's performance</li> </ul>		
Geography <ul> <li>Grid references</li> <li>Weather data</li> <li>Representing data</li> <li>Scales on maps</li> <li>Time zones</li> </ul>	<ul> <li>Computing         <ul> <li>Angles and directions using Scratch</li> <li>Representing data, formula and calculations in excel</li> <li>Using logic to solve problems in programming</li> </ul> </li> </ul>		DT • Re ing • Ra • Me co • Est	eading scales and measuring gredients tio and proportion in recipes easuring accurately to mplete designs timation skills
<ul> <li>History</li> <li>Time lines and dates</li> <li>Charts and graphs to present information and the analysis of charts and graphs</li> </ul>	<ul> <li>Art</li> <li>Ratio and proportion when mixing paint</li> <li>Geometry when developing observation skills and analysing artists</li> </ul>		PSHE • Nu ev co po	umbers that come up in ery day discussions and nversations e.g. 1/10 of the pulation is left handed
<ul> <li>MFL</li> <li>Counting</li> <li>Times table facts in French</li> <li>Telling the time</li> </ul>	<ul> <li>Symmetry of buildings ar</li> </ul>	of religious nd patterns	Music • Tir at mi • Eq mu ser	mes and speed when looking musical notation – beats per inute uivalent fractions for usical notation (quavers, mi quavers etc.)