





<b>Intent</b> (Curriculum design, coverage and appropriateness)			
<p><b>Subject vision overview:</b> At Peterhouse School we understand how children's mathematical thinking first develops and how it can be nurtured to ensure real understanding and support essential life skills. Mathematics includes counting, sorting, matching, seeking patterns, making connections, recognising relationships and working with numbers, shapes, space and measures. The teaching of maths always starts from a practical basis and is cross curricular. Maths is functional and we teach transferable skills that can be used to access real life situations. Maths skills can be explored in everything we do and we support thinking at all opportunities to enabling incidental learning to support problem solving skills. We strive for all for our pupils to achieve a maths qualification appropriate for them.</p>			
			
<p>Pupils develop their understanding of Mathematics through experience, exploration and enquiry. Pupils are taught skills and strategies by using 'what they know' and learning 'how to apply' these skills to different situations. Pupils may work alone or with others. We encourage resilience through solving problems by developing their mathematical fluency in order to use these functional skills in everyday life.</p>	<p>Maths allows pupils to <b>solve problems</b> by applying their mathematical thinking to a variety of routine and non-routine problems including situations in the real world with increasing sophistication. This will include applying mathematical thinking into everyday life, breaking down problems into a series of simpler steps, persevering in seeking solutions that work best for them and asking for help if/ when needed.</p>	<p>Maths provides pupils with a wide range of learning experiences within a balanced framework. Pupils experience opportunities to apply Maths in various real life situations e.g. School community, shopping, travelling and daily life. Opportunities are considered for pupils to use maths beyond the classroom in both planned and incidental learning.</p>	<p>Maths enable our pupils to access the community. It helps them use skills in everyday life such as telling the time, using money and ordering events. By being able to solve problems they are able to access their own personal 'tool kit' in order to self- manage in a variety of different situations. It provides experiences to enable our pupils to develop life skills.</p>
<b>Implementation</b> (Curriculum delivery, teaching, assessment)			
<p>Pupils have discrete Maths lessons based around an adapted or further adapted National Curriculum following the White Rose Maths Scheme or Lancashire Small Steps. We teach using concrete materials to support learning. Teachers plan opportunities to apply skills in practical and age appropriate ways. New concepts and vocabulary are introduced in an ordered and sequential way. The length of time spent on each concept or skill, will be highlighted within the teachers' medium-term plans and on the long term plan. We recognise that some learners may have strength or abilities in certain curriculum areas e.g. number, and where appropriate such strength may be taught formally in order to ensure linear progress. Mathematics is planned as part of a cross-curricular approach alongside three discrete lessons per week delivered through a variety of whole class, small group activities and 1:1 sessions. Teachers may use multi-sensory approaches including games, real objects, songs and stories and will include opportunities to develop early thinking and cognition skills. Teachers will adapt their approaches with an awareness of the cognitive differences associated with language, thinking, processing and memory to ensure that practical and functional skills are explored an age appropriate level.</p>			
<b>Impact</b> (attaining and progress, reading, destinations)			
<p>Pupils' achievement in Maths is assessed constantly through formative and summative assessment in order to see their progress academically and how they can use maths in functional ways. Maths enables our pupils to have functional skills that they can use in their daily educational lives progressing into adulthood. For example this will range from paying for an item in a shop, budgeting to supporting and developing understanding on making bigger financial decisions. Pupils will be supported to understand a visual timetable through to planning and using a-timetables in public transport to be able to travel to work independently. Maths will support career aspirations from understanding mathematical concepts through to activities where maths may play a fundamental role e.g. game design.</p> <p>All pupils work towards a Maths qualification appropriate to them including options of Functional Skills Maths (Entry Level 1 – Level 2), GCSE and ASDAN Personal progress.</p>			