



Intent

Maths teaching at Kemsley Primary Academy aims to:

- Ensure children are fluent in basic arithmetic skills.
- Enable children to independently solve problems using their understanding of mathematical concepts.
- Develop children's understanding of the purpose of maths in real life.
- Strive towards a consistent approach to teaching and assessment, which will improve overall attainment in the subject for all learners.

Knowledge of mathematical methods is gained throughout a child's journey through school. Learning in Key Stage Two builds on prior learning in Key Stage One which, in turn, builds on solid foundations gained in the Early Years Foundation Stage. Our maths curriculum uses the National Curriculum to ensure that children gain the knowledge they need to become successful mathematicians at primary school and beyond, fostering an interest and enthusiasm for the subject – much needed by today's society.

Implementation

At Kemsley Primary Academy, mathematical knowledge is embedded in each unit which children study and knowledge and skills are revisited and developed throughout their time at school. Units such as place value, are taught in Key Stage One and studied again in further detail throughout Key Stage Two. This model allows children to build upon their prior knowledge and increases their enthusiasm for the unit whilst embedding this procedural knowledge into the long-term memory.

To facilitate this learning process, teachers plan the following:

- A sequence of learning which builds on prior knowledge, skills and understanding – developing fluency, reasoning and problem solving skills;
- Opportunities to explore, revisit, understand and use technical vocabulary related to maths;
- A well thought out sequence of lessons for each subject that results in progression and depth using the CPA approach;
- Trips and visiting experts who will enhance the learning experience;
- A means to display and celebrate the pupils' work in their class and finally a way to share their learning with parents and the local community.

Teachers are equipped with specific tools to be able to accurately assess children's knowledge and understanding.

Impact

Our maths curriculum is high quality, well thought out and is planned to ensure progression. If children are keeping up with the curriculum, they are deemed to be making good progress in line with age related expectations. In addition, we measure the impact of our curriculum through the following methods:

- A reflection on standards achieved against the planned outcomes;
- A celebration of learning for each term which demonstrates progression across the school;
- Pupil discussions about their learning - which includes discussion of their thoughts, ideas, processing and evaluations of work;
- Termly assessment against the progression document to assess if the child is working at age related expectations for maths.

Our curriculum aims to raise the profile of and celebrate maths within school.

Maths teaching will equip children with a set of skills that can be utilised in many areas of life.