



Christ Church Primary School

Maths Policy

Through God's love, we learn, aspire and achieve; we flourish

Maths Policy

Intent

At Christ Church, we offer the children a balanced mathematics curriculum based on the National Curriculum in order to develop a range of mathematical skills for our children. They will be positive and enthusiastic towards mathematics, with an awareness of the diversity of the subject.

- They will be competent and confident in taking risks to apply mathematical knowledge, concepts and skills.
- They will be able to solve problems, reason mathematically and think logically and systematically.
- They will be able to work independently and in cooperation with others.
- They will be able to use and apply mathematics across the curriculum, and to understand the application of mathematics in real life contexts and scenarios

Implementation— Roles and Responsibilities

The Maths lead has a clear overview of the maths teaching taking place at Christ Church. The maths lead is responsible for structuring the mathematics curriculum and ensuring its planning, delivery, content and assessment is of the highest quality. The lead will oversee the distribution and use of resources, liaisons with external agencies and the monitoring of teaching and learning in mathematics across the school. Class teachers are responsible for planning and delivering maths each day.

Implementation— Teaching and Learning

At Christ Church, children are taught in an environment centred around the balanced mix of independent work, partner tasks and whole class tuition. Teachers work to support and guide their children through the following stages of development: Talking mathematically; using appropriate vocabulary and examples. Developing the use of concrete, pictorial and abstract (CPA) means of recording. Using and applying flexible mental strategies to solve calculations. Explain and justify their use of strategies or resources to solve problems and calculations. In Key Stage 2, Continuing our concrete and pictorial approach to an expanded method which leads into a standard written method for each of the four main operations. Understanding when to apply either written or mental methods when completing calculations. To develop skills of reasoning and problem solving, embedding these skills through regular opportunities.

Impact - Assessment

The teaching and assessing of mathematics at Christ Church follows the Assessment for Learning cycle of; plan, teach, review, assess. Children's work is marked regularly, as part of our AFL policy and assessed against national curriculum objectives. Children in EYFS are assessed regularly using the Early Learning Goals. Formal tests are administered to children from Year 1 to 6, to assist teachers with their assessment of individual achievement and progress in mathematics. The results are analysed and used to isolate gaps in children's knowledge. They are also used to monitor progress in maths.

- SATs Preparation Assessments: Years 2 undertake a range of preparation assessments over the course of the year. These tests are used to track progress and attainment, encourage children's confidence, and support the identification of gaps in knowledge and understanding.

Intent - Equal opportunities and Special Educational Needs.

All children have equal access to the Mathematics curriculum. Children access the curriculum at the level appropriate to them, ensuring rapid measurable progress. Resources and learning environments are planned and designed to enable all children access to the learning required. Differentiated activities, where children can choose a challenge. There are activities to support and extensions to challenge children further so they are able to work at greater depth in mathematics.

Implementation - Planning and Time Allocation.

All class teachers are responsible for weekly planning, based on the agreed yearly overviews produced Power Maths. Class teachers are supported to adapt materials for their own classroom. Teachers will:

- Identify the appropriate teaching and learning strategies required.
- Plan lessons with a balanced and engaging range of activities.
- Plan for the specific needs of children within their own class.
- Assess children routinely using formative and summative approaches.

Implementation - Resources

Staff have access to a wide range of concrete resources with which to develop children's understanding. Across Christ Church, our children are taught to use mathematical resources productively and confidently, and to assess which resources are appropriate to support their learning.

Implementation – Curriculum

We believe all children can succeed mathematically, and as such all children should follow the same curriculum and expectations. We ensure, through our informed planning and preparation process, that all children are given opportunities to:

- Experience practical mathematical activities and games to support their learning.
- Develop their fluency, reasoning, questions and problems solving skills in a variety of contexts.
- Take part in class, group, partner and independent learning and activities.
- Learn, use and apply a range of methods to calculate solutions.
- Make connections to mathematics in real life situations and use the local environment/outdoor space to investigate maths concepts.

Implementation— Parental Engagement.

We involve our parents and communities in our children's learning when appropriate. Through regular mathematics workshops to support their knowledge of the school mathematical approach we enable parents to use a range of activities to create fun learning opportunities at home. These support parent maths workshops to support parents with calculation strategies and how they can support their child at home.

- Hold a Multiplication Screening check information evening to inform parents on the test.
- Hold a SATS information session on the maths SATS paper
- Provide logins for Times table Rockstars so children can access Maths Activities online.
- Provide log in details for MyMaths for homework activities.
- Provide log in details for Mathseeds to support learning in maths.