

Primary Maths Curriculum Statement

Rationale

At Blue Sky Independent School, our mathematics curriculum is designed to develop confident, resilient, and curious learners who can think critically, reason mathematically, and apply their skills in a wide range of contexts. Mathematics is not taught in isolation; it is connected to the real world, fostering problem-solving, creativity, and logical thinking from the earliest years.

Our curriculum is fully aligned with the National Curriculum for England, ensuring statutory requirements are met, while going further to nurture a love of mathematics through meaningful exploration and challenge.

Intent

The intention of our maths curriculum is to:

- Develop a deep, conceptual understanding of number, shape, measure, and data.
- Encourage fluency, reasoning, and problem-solving across all areas of maths.
- Make mathematics engaging, relevant, and applicable to real-life situations.
- Build confidence and resilience, enabling pupils to embrace challenges and learn from mistakes.
- Progressively develop skills from concrete experiences in early years to abstract reasoning in upper key stages.

Implementation

Mathematics is implemented using a structured, progressive, and engaging approach:

- **Concrete–Pictorial–Abstract Progression:** Pupils explore concepts using manipulatives and visual representations before moving to abstract calculations.
- **Daily Practice and Skill Development:** Fluency, mental maths, and problem-solving are integrated into every lesson.
- **Real-World Contexts:** Maths is taught through stories, investigations, projects, and practical applications to ensure relevance.

- **Differentiation and Challenge:** Lessons are tailored to provide support and extension opportunities for all pupils.
- **Cross-Curricular Links:** Maths is connected to science, geography, design, and everyday life to reinforce understanding.
- **Assessment for Learning:** Teachers continuously assess understanding through questioning, observation, practical tasks, and written work, adapting teaching accordingly.

Impact

Through this curriculum, pupils will:

- Achieve age-related expectations and, where appropriate, exceed National Curriculum standards.
- Develop a solid foundation in number, calculation, geometry, measurement, fractions, decimals, percentages, ratio, algebra, and statistics.
- Demonstrate fluency in arithmetic, reasoning skills, and the ability to solve complex, multi-step problems.
- Apply mathematical understanding confidently in a range of contexts, including everyday life.
- Show resilience and independence in learning, with curiosity and enthusiasm for exploring mathematical ideas.

Progress is measured through formative and summative assessments, including teacher observations, classwork, regular testing, and practical problem-solving tasks, ensuring that pupils' knowledge and skills are secure and transferable.

Summary

Our maths curriculum is **ambitious, coherent, and accessible**. It ensures every child develops a **deep understanding of mathematics**, gains **confidence and fluency**, and experiences **the joy of discovery and problem-solving**, preparing them for further study and lifelong learning.