What does Maths look like at Suckley School?

Maths in the Real World

Opportunities are planned for the children to apply their mathematical knowledge in other subjects through our theme based curriculum. Children are encouraged to develop an understanding of how maths is used in real world scenarios, jobs and the wider world.

Fluency

Children become increasingly fluent in the fundamentals of mathematics, through varied and frequent practise with skills, knowledge and complexity progressing through each year group. Children are able to recall and apply knowledge rapidly and accurately.

Reasoning and Problem Solving

We encourage children to reason mathematically by following a line of enquiry, discovering relationships and generalisations and developing an argument, justification or proof using mathematical language.

Children solve problems by applying their mathematics to a variety of problems with increasing sophistication. They are encouraged to break down problems into simpler steps, select the appropriate mathematical knowledge needed and to persevere in seeking a solution.

There is strong focus on children reasoning, problem solving and explaining their thinking through 'talk maths' sessions. There is an expectation that children will use the correct mathematical vocabulary during their discussions.









Training and Monitoring

There is regular, effective training for the subject leader, which in turn feeds into professional development for all staff.

Rigorous monitoring of attainment and progress through book scrutinies, data analysis, pupil interviews, liaison with staff and evaluation of learning environments.

Planning and Assessment

We follow a programme of study which allows children to make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.

Assessment, both formative and summative, focuses upon specific questions to tease out children's conceptual understanding as well as providing a snapshot of a child's ability to confidently participate in a mathematical world.

Learning Environments

We build learning environments which are rich in concrete apparatus and pictorial representation to help children develop a firm understanding of concepts prior to fluency. Classroom environments show working walls with the most recent concept being modelled and show the different approaches to deepen and consolidate learning.