



Subject Vision:

Maths

“Pure Mathematics is, in its way, the poetry of logical ideas.”
Albert Einstein

What do we love about our subject?

Maths is an essential life skill which will enable people to take their place in the workplace. It is more than the ability to calculate, measure or recognise shapes. It equips people to reason, solve problems, analyse and hypothesise in both real and abstract ways and develop resilience. It appears in a variety of contexts and everyday situations which is why it is so vital. A secure understanding of maths allows people to enjoy a higher income and maintain security throughout their working life.

How do we want our pupils to talk about our subject?

At All Saints we want children to

- have a love of maths
- develop a sense of curiosity through experiences
- be motivated and relish solving problems
- use different strategies to approach problems
- consider that there isn't always one answer
- all achieve

What are some of the big ideas in our subject? (NC Aims & school aims?)

National Curriculum

be fluent in the fundamentals of maths

develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.

reason mathematically by following a line of enquiry, think about relationships and generalisations, and developing an argument, justification or proof using mathematical language

solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Concrete Pictorial Abstract

Mastery- acquiring deep, long term. Secure and adaptable understanding of maths

Fluent in Five –frequent revisit to maintain skills (interleaved practice)

Use of bar modelling

Fluent use 'maths speak' Speaking Frames

Chilli challenges

What are some of the things we would love to teach in this subject?

Time- develop the strategy of one hand at a time through the school

Fluent in five –Interleaved practice

Reduce maths anxiety for those that struggle with maths

Adaptability –use different strategies