

Maths

Mathematics helps children to make sense of the world around them through developing their ability to calculate, to reason and to solve problems. It enables children to understand and appreciate relationships and pattern in both number and space in their everyday lives. Through their growing knowledge and understanding, children learn to appreciate the contribution made by many cultures to the development and application of mathematics. Mathematics teaching gives children the opportunity to enjoy and achieve, with an aim to ultimately achieving economic wellbeing as adults.

During these lessons we encourage children to ask, as well as answer, mathematical questions. They have the opportunity to use a wide range of resources such as number lines, number squares, digit cards and small apparatus to support their work. Children use ICT in mathematics lessons where it will enhance their learning, such as modelling ideas and methods. The school believes that open-ended activities will allow the children to develop their thinking skills.

Pupils will be expected to memorise and reason with number bonds and multiplication and division facts to aid quick recall and calculations.

At WSA we have adopted the mastery approach to maths which means that children approach their learning using practical resources to secure their understanding before progressing onto more abstract methods. Mental maths forms a strong part of children's mathematical development and we place a strong emphasis on reasoning in maths. Opportunities to explain their understanding orally to others enables children to further consolidate their own understanding.

Maths outline plans:

Mixed Y1/2

Mixed Y3/4

Mixed Y5/6

Pupil Voice October 2023

Response to 'I enjoy Maths' - 90% said 'Yes'.

Opinions about learning number bonds and tables:

- "If I know them I can get better at maths."
- "I need to know them so I don't fail."
- "If I can recall them quickly I will be able to answer my SAT question really quickly."
- "It's fun learning numbers."
- "Did you know there's some tricks in learning tables? It's a bit like cheating because you don't have to learn all of them every time!"