
Maths

Woodside Academy

Intent

We believe that everyone ‘can do maths’! It is our intention to ensure that, by the end of our pupils’ primary education, all pupils know they ‘can do maths’. We want pupils to enjoy maths, become fluent in the fundamentals of maths and be able to apply their understanding when reasoning or solving problems in a range of contexts. Being confident in maths is an important life skill as well as a curriculum subject and at Woodside Academy, we want our pupils to have an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

The national curriculum for mathematics aims to ensure that all pupils:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can 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

Implementation

A love of maths is encouraged throughout school.

We follow the national curriculum objectives and since September 2020, our school has been using the White Rose Maths Schemes of Learning from EYFS to year 6 for structure and guidance.

In KS1 and KS2, we have daily maths lessons taught in mixed ability classes.

All pupils are exposed to fluency, reasoning and problem-solving questions and taught how to approach these.

Pupils are supported in lessons with a range of manipulatives appropriate to the objectives and lessons.

Pupils with additional needs are normally taught within the class and their learning is scaffolded with adult support or appropriate resources.

Times tables and arithmetic skills are focused on across the school with lessons and starters as well as the use of TTRockstars, Numbots and mymaths.

Impact

The impact will be seen with pupils showing confidence in believing they ‘can do maths’ and are ready to attempt to solve problems. Lessons use have a range of fluency, reasoning and problems solving activities Mathematical concepts are being mastered by pupils.

The Maths curriculum is evaluated through:

- Short End of unit assessments (used to inform interventions or future planning)
- Teacher assessments on O Track each half term (to track progress)
- End of term assessments (Years 1-6) These are based on the topics taught up to that point in the year.
- KS1 and KS2 SATs