

Maths Across the Curriculum at Gravenhurst Academy

At Gravenhurst Academy, we believe that mathematics is not only taught in daily lessons but is also embedded across all areas of learning. From Reception to Year 4, pupils are encouraged to recognise how mathematical skills can be applied in different subjects and in real-life contexts.

We follow the **White Rose Maths Scheme of Work**, which provides clear progression and consistency, and we enrich this by ensuring pupils have regular opportunities to use and apply maths across the wider curriculum.

Where Maths is Used Across the Curriculum

Year Group	Examples of Maths Across the Curriculum
Reception	<ul style="list-style-type: none">- Counting and sorting natural objects in outdoor learning (Science/Understanding the World)- Exploring shapes in Art and construction play (Art/DT)- Using positional language in stories and play (Literacy)- Comparing sizes, weights, and capacities in play (Science)- Music – clapping/counting to a beat, singing number songs e.g. 5 little ducks, 10 green bottles etc.- Social/Communication– we use timers to support sharing, we may have a timer on at tidy up time- Counting how many children are in class each day- Date everyday – talk about which number comes next and what it looks like e.g. 15 (1 ten and 5 ones). We also talk about the seasons.- PE – positional language with obstacle courses etc, when warming up we count e.g. 10 star jumps

- Literacy – story sequencing / routine sequencing e.g. brushing teeth – also number based stories e.g. the very hungry caterpillar

Year 1

- Measuring plant growth and weather patterns (Science)
- Counting beats in Music (Music)
- Using maps and positional language (Geography)
- Timelines of personal history (History)

Year 2

- Collecting data on favourite foods and presenting as bar charts (Science/PSHE)
- Measuring and weighing ingredients in cooking (DT)
- Exploring symmetry in patterns and artwork (Art)
- Reading simple timetables or schedules (Geography/PE)

Year 3

- Using coordinates and compass directions (Geography)
- Recording results from investigations (Science)
- Interpreting historical timelines (History)
- Fractions in Music (notes, beats)

Year 4

- Reading scales and thermometers (Science)
 - Interpreting data about countries and climates (Geography)
 - Understanding Roman numerals in historical contexts (History)
 - Symmetry and tessellation in Art
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Our Commitment

By making these cross-curricular links, we help children to:

- Understand the relevance of maths in the wider world.
- Develop confidence in applying skills beyond the classroom.
- Recognise that maths is a vital life skill which supports learning in every subject.

At Gravenhurst Academy, we want all our pupils to leave primary school equipped with strong mathematical skills and the ability to apply them in a variety of contexts.