



## Maths

Our creative and ambitious mathematics curriculum is rich in skills and knowledge, to ignite curiosity and prepare learners for everyday life and future employment. We foster a growth mindset with resilient learners who understand the importance of making and learning from incorrect answers. Learners are challenged to explain their reasoning and methods in order to draw out misconceptions, embed understanding and achieve greater success.

We want our learners to become secure in all aspects of mathematics. We recognise the importance of having a confident understanding of number and learners have weekly lessons focused explicitly on number, with an emphasis on reinforcing understanding and competency. We value the importance of concepts being sufficiently understood before moving on to another. To ensure coverage of the curriculum, one of the mathematics lessons in the week focuses on other topics within maths, such as geometry/shape, measurements, using instruments of measure, statistics etc.

Our Semi-Formal curriculum is modelled around themes and learning through play to engage children with active learning, exploration and becoming a critical thinker. This play based approach is essential for children's development, building their confidence as they learn to explore, relate to others, set their own goals, and solve problems.

We encourage our learners to become maths-positive, problem-solvers and to have ideas, to develop vocabulary and reasoning skills and so better understand mathematical concepts in the world around them. We want learners to confidently apply their mathematics skills when out in the community to provide them both with the love of mathematics and the independent skills to support them into adulthood.

We challenge learners to 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.

Teachers use the National Curriculum, White Rose Maths Scheme, Cherry Tree Garden Branch Maps, Welburn Levels and the Engagement Model for assessment as well as their own professional judgement in providing a broad, balanced and meaningful maths curriculum.

### Nurture

For our Nurture group the curriculum is tailored to meet learners' needs, whose main barrier to learning is their social, emotional and mental health. Functional communication, interaction and cognitive skills will be covered in a meaningful way to help learners thrive. The team will plan by using relevant objectives and opportunities, depending on age, needs and individual barriers to learning.

### Qualifications in Maths

Our Formal and College learners can study Open Awards Maths (Entry Level 1—Entry Level 2).

For KS4 learners Entry Level Maths starts in Year 10.

College learners can do Entry Level Maths in Years 12-14.

These are assessed via calculator and non-calculator exams.