

Overview

The aim of the Mathematics curriculum is to ensure that all learners develop their mathematical fluency, are able to reason using this fluency, and apply their knowledge to solve a wide range of practical/functional problems.

As an alternative provision, we believe that all students should have the same opportunities that mainstream students would experience, so we cater for students working from EYFS up to the end of Key Stage SATs. As part of this, students will have the opportunity to demonstrate their learning in a practical context, in order to show understanding of transferable practical mathematical knowledge.

In addition to consolidating subject content from Key stage 2, the statutory areas that are covered across our curriculum are:

- Number
- Measurement
- Geometry
- Ratio and proportion (UKS2)
- Algebra (UKS2)
- Statistics

Impact

Due to the wide variety of learners that we work with, we do not apply a one size fits all model. Many students have missed large gaps in their education, and students also join us at various points across the academic year. Therefore, assessment in mathematics is undertaken when we start working with learners. By using this data, as well as paperwork from the previous setting, a picture is created of each learner's individual ability. This is essential in order for the children to receive the level of learning required for them to succeed.

Subject areas will be specifically chosen as to the need and priority of the learner. This will be in collaboration with the learner's home school. Where we are providing specific students with supplementary interventions in collaboration with their mainstream or other full-time educational placement we will focus on those aspects of the National Curriculum identified for us by the schools as being of the most benefit to the student. Where our students are – temporarily – not on the roll of a full-time provider, we are committed to providing a bespoke curriculum which meets their needs.

Mathematics and the wider curriculum

Within the Trust we believe that it is important for all students to develop cultural skills, knowledge, and behaviours that will allow them to thrive in society and the world of work. The Mathematics curriculum sets out to develop our learners' cultural capital to make them ready for their next stage in their lives. This is achieved in many ways including teaching student's real life skills related to reading timetables, budgeting, finance, recipes, speed/distance, etc.

Mathematics enables students to make sense of the world around them and we strive to enable each of our students to explore the connections between their numeracy skills and every-day life. Students are provided with opportunities to use their maths skills within real life contexts, applying and exploring the skills required

in solving various problems.

The Mathematics curriculum promotes the British values of tolerance and resilience each lesson through problem solving and understanding of complex concepts. Students are encouraged to learn from mistakes and are supported to improve their understanding. Within different areas of study, children are encouraged to demonstrate the reasoning behind their answers, which will often include judgments of morality such as items being shared fairly.

Every opportunity is taken within the classroom to allow students to develop their reading. Students are actively encouraged to read and are supported to understand key words. Within lessons staff promote high standards of literacy, articulacy and the correct use of standard English.