Mathematics Curriculum

Mathematics Intent

Mathematics at Bradford Alternative Provision Academy will provide students with a structured curriculum that is developmental and will fill any gaps in their prior learning. Lessons are engaging, personalised and flexible allowing students to reach their full potential, whatever their starting point. High quality planning, teaching and assessment facilitates rapid progress, so that students gain confidence, acquire skills for life and become prepared for the next phase of education, training or work place.

Mathematics Content

The following topics and themes are taught at BAPA to support the effective implementation of the Mathematics intent statement and to support our delivery of the Mathematics National Curriculum.

All students deserve a broad and ambitious Maths curriculum, rich in skills and knowledge, which engages and prepares students well for future learning or employment. Our schemes of work cover all content domain areas in the Mathematics National curriculum and build upon the number confidence, calculation, geometry, measure and statistics skills that are developed within Key Stage 2. They are robust and rigorous in content to cope with the demands of Key Stage 3 and 4 whilst flexible enough to allow time for consolidation of prior leaning.

Our mathematics curriculum will give students the opportunity to:

- become fluent in number skills and recall of facts e.g. number bonds and times tables over time;
- demonstrate confidence in using non-standard and standard methods of calculation;
- understand the language of mathematics to enable confidence in discussing problems and solutions;
- develop confidence and fluency in across all content by consolidating understanding over time;
- apply knowledge in a range of different problems and puzzles including real life scenarios;
- apply mathematic skills across the curriculum particularly in science and technology (STEM) activities;
- understand how to break down problems into smaller manageable steps;
- demonstrate mastery of topics in discussion and written solutions;
- enjoy the challenge of solving increasingly complex problems;
- make rich connections between the different content domain areas when demonstrating mathematical fluency and reasoning;