

# **The Beacon Centre**

## **Secondary Maths**

### **Intent**

At The Beacon Centre's Secondary School we aim to develop successful and confident Mathematicians. We ensure that pupils are provided with opportunities to build on prior learning to master the skills and knowledge required to achieve their full potential in every lesson. Pupils are supported by staff who ensure that they are appropriately challenged and supported within each lesson; a range of pedagogical approaches and support materials are available for staff to ensure that learning is personalised for each student. High expectations of pupil engagement and independence are key to motivating students and success in making progress and personal achievements within the subject are recognised and celebrated. The curriculum allows students to access a range of different aspects of Maths to develop their skills in problem solving, fluency and reasoning in preparation for GCSE examination and life post-school. It aims to demonstrate the links that Maths has to the real world and many career options through rich learning experiences both inside and outside of the classroom. The subject and topics on offer support the values and ethos of the whole school aiming to re-engage disenfranchised young people, building their self-esteem, confidence and resilience, enabling social, moral, spiritual and cultural development and promoting British values. This Maths curriculum is designed to motivate and engage pupils to realise their academic potential. Cross-curricular links with other subjects ensure that pupils are given the opportunity to rehearse and apply their mathematical knowledge and skills in a range of contexts.

### **Implementation**

Our Maths curriculum ensures full coverage of the National Curriculum Mathematics programmes of study at Key Stage 3 and 4. We also offer opportunities for pupils to study the Functional Skills programme to develop an awareness and understanding of real life applications of mathematical concepts.

Regular recall and retrieval practice is offered through use of Numeracy Ninjas, Sumdog and weekly Skills Check assessments which will identify gaps in essential knowledge and skills and allow the department to provide opportunities for pupils to address and close these gaps enabling students to make progress in the subject.

Pupils learn outside of the classroom through activities planned in the school's own on-site Co-op store, in the local community and through weekly experiential learning activities. Pupils are involved in the planning and evaluation of the experiential learning activities which involves application of mathematical concepts.

## **Impact**

At The Beacon Centre we strive to support pupils to become successful and confident learners and equip them with the skills and knowledge to be responsible citizens. Our Maths curriculum supports this overall ethos providing pupils with opportunities not only to develop themselves as mathematicians who feel confident to succeed at GCSE but also to be able to recognise the importance of having good numeracy skills in order to succeed in life after school.