

Oasis Academy Lister Park Maths Curriculum: Statement of Intent

Purpose of study

The Oasis Lister Park Curriculum is designed in conjunction with Mathematics Mastery. This means that pupils are given a “thorough understanding of mathematical concepts, rather than a set of techniques or routines to get to the right answer”. We want our students to be curious learners who can apply their knowledge and skills to the real world. We enable them with the powerful knowledge that allows them to acquire fluency in crucial mathematical procedures and means they can master and retain key concepts.



We value character, competence and community in our curriculum:

- **Character:** Our maths lessons ensure that all students are confident learners and can access a variety of learning material both in and out of the classroom. Students are taught to interact with each other with patience, honesty, and independence through opportunities for structured self-reflection throughout the lesson, in self and peer assessment, exit tickets, and mastery matrices.
- **Competence:** Developing pupils' competence in maths is at the heart of our curriculum. Using the latest research in cognitive science and building a curriculum encompassing the best aspects of mathematical learning throughout the world, we build strong foundations in students' numeracy skills, interleaving new knowledge to existing knowledge. Thus expanding students' schemas, and developing their skills in the core concepts of maths.
- **Community:** Through an engaging, relevant maths curriculum, students are exposed to the story and history of mathematical ideas. In this way students develop respect for others and an appreciation of diversity and inclusivity and learn the “why” and “how” maths is linked to every aspect of modern society.

Core concepts and principles of progression

The Maths curriculum is carefully planned so that core mathematical skills, concepts and understanding are developed over time. Mathematical knowledge is understood and built on cumulatively, and in the context of applying this knowledge to develop skills. These core mathematical principles are underpinned by proven curriculums successfully implemented worldwide, thus exceeding the objectives of the maths national curriculum for KS3/4. The core principles of the curriculum are laid out below:

- **Mathematical fluency**
- **Mathematical representation, language, and notation**
- **Mathematical thinking and mathematical reasoning**
- **Problem-solving and conceptual understanding**

Aims and Outcomes

The aim of our curriculum is to inspire in our students a love of maths, and a confidence in applying it in their lives. We want our students to understand the history of our subject as one which has developed over millennia of collective human endeavour, and which is embedded in every facet of our civilisation. We also want our students to identify as being effective mathematicians who feel confident in applying the ideas they have learnt to any field or pursuit they engage with.