THE WORTHGATE SCHOOL
CANTERBURY

COURSE DESCRIPTOR

IGCSE LEVEL MATHEMATICS

SUBJECT OVERVIEW

Mathematics is a vital subject that influences nearly every aspect of life. It provides valuable insights into problem-solving strategies, logical reasoning, and critical thinking. The study of Mathematics also forms the foundation for many other disciplines, including Physics, Chemistry, Biology, IT, Business Studies, Economics, Psychology, Art, and Geography. Additionally, it offers opportunities to develop essential skills such as communication and teamwork, which are crucial in most professional settings.

PRIOR LEARNING REQUIRED

A prior knowledge of Mathematics concepts with coverage of the Key Stage 3 curriculum (English School System Years 7-9) or equivalent
IELTS 4.0+ or equivalent

EXAM BOARD

EDEXCEL

COURSE CONTENT

Year 1	Year 2
Introduction to these Topics: **MODULE 1** – Number, Ratio and Algebra **MODULE 2** – Geometry & Measure **MODULE 3** – Statistics & Probability	**In-Depth Review of these Topics:** **MODULE 1** – Number, Ratio and Algebra **MODULE 2** – Geometry & Measure **MODULE 3** – Statistics & Probability

ASSESSMENT

Formal internal assessments take place regularly once every half term and homework is set on a regular basis.

For G10 & PRE: Grades are determined by final internal assessments, which take place in May at the end of year one.
For G11: Grades are determined by final externally set examinations, which take place in May & June at the end of the 2-year course.

Paper	Length of paper	Weighting
IGCSE Mathematics Higher Level (01)	100 marks 2-hour paper	50% of IGCSE Level
IGCSE Mathematics Higher Level (02)	100 marks 2-hour paper	50% of IGCSE Level

TEXTBOOKS/REVISION GUIDES

Title	ISBN	Author
Mathematics for GCSE & IGCSE	978 1 78294 437 9	CGP Books

Summaries of each topic, student notes and past examination papers will be a major source of revision. A revision guide is also available for purchase.

HIGHER EDUCATION PATHWAYS

Mathematics opens the door to a large range of courses and career options in many arenas, globally.

COMPLEMENTARY SUBJECTS OF STUDY

Physics, IT, Business Studies, etc.

CURRICULUM DIRECTOR

Mr Scott Graham