Curriculum Overview

Subject: Maths

Year Group: 10

CHASE HIGH
Aspirations, Character & Excellence

GCSE Mathematics will follow on from the mathematical skills developed in Key Stage 3. It will allow students to study the five areas of Mathematics: Number; Algebra; Statistics and Probability; Geometry and Measures and finally Ratio, Proportion and Rates of Change. Students will be presented with real life problems, helping them to develop their ability to analyse and communicate mathematically. The course also gives students the opportunity to develop the ability to acquire and use problem-solving strategies, select and apply mathematical techniques and methods in every day and real world situations, reason mathematically, make deductions and inferences and draw conclusions and interpret and communicate mathematical information in a variety of forms appropriate to the information and context

TERM 1	TERM 2	TERM 3
KNOWLEDGE/SKILLS Higher • Equations and inequalities • Venn diagrams and probability • Multiplicative reasoning • Similarity and congruence Foundation • Straight Line graphs and calculating gradients • Transformations • Ratio and proportion • Pythagoras and trigonometry •	KNOWLEDGE/SKILLS Higher • More trigonometry • Further statistics • Equations and graphs Foundation • Probability and Venn diagrams • Percentages • Direct and inverse proportion	KNOWLEDGE/SKILLS Higher • Circle Theorems • Algebra 2 Foundation • Constructions, loci and bearings • Quadratic equations and graphs • Perimeter, area and volume 2
KEY ASSESSMENTS Half term 1: Completed Units Assessment(s) Half term 2: GCSE paper sat in class Completed Units Assessment(s)	KEY ASSESSMENTS Half term 1: Completed Units Assessment(s) Half term 2: GCSE paper sat in class Completed Units Assessment(s)	KEY ASSESSMENTS Half term 1: GCSE papers sat in class Completed Units Assessment(s) Half term 2: Completed Units Assessment(s) End of year exams

Extended reading suggestions and external resources:

Mathswatch - https://vle.mathswatch.co.uk/vle/; Mainly used for exam questions based on specific topics

MyMaths - https://login.mymaths.co.uk/login

Corbett Maths – https://corbettmaths.com/; 5-a-day questions which are good problem solving starter questions for all abilities.

Maths Genie - https://www.**mathsgenie**.co.uk; a free revision site. It has past papers, mark schemes and model answers to GCSE exam questions

BBC Bitesize - https://www.bbc.co.uk/bitesize/subjects/z38pycw