

MODULES/UNITS

Unit	Unit
1	Problem Solving - Pure
2	Surds and indices – Pure
3	Quadratic functions – Pure
4	Equations and inequalities – Pure
5	Coordinate geometry – Pure
6	Trigonometry – Pure
7	Polynomials – Pure
8	Graphs and transformations – Pure
9	The binomial expansion – Pure
10	Differentiation – Pure
11	Integration – Pure
12	Vectors – Pure
13	Exponentials and logarithms - Pure
14	Data collection - Stats
15	Data processing, presentation and interpretation – Stats
16	Probability - Stats
17	The binomial distribution - Stats
18	Statistical hypothesis testing using binomial dist. – Stats
19	Kinematics - Mechs
20	Forces and Newton's laws of motion – Mechs
21	Variable acceleration - Mechs
22	Proof- Pure
23	Trigonometry- Pure
24	Sequences and series- Pure
25	Functions- Pure
26	Differentiation- Pure
27	Trigonometric functions- Pure
28	Algebra- Pure
29	Trigonometric identities- Pure
30	Further differentiation- Pure
31	Integration- Pure
32	Parametric equations- Pure
33	Vectors- Pure
34	Differential equations- Pure
35	Numerical methods- Pure
36	Probability- Stats
37	Probability distributions- Stats
38	Hypothesis testing- Stats
39	Kinematics- Mechs
40	Force and motion- Mechs
41	Moments- Mechs
42	Projectiles- Mechs
43	Friction- Mechs

Pure across P1-3
P2 Pure and Mechanics
P3 Pure and Statistics

COURSEWORK DEADLINES/EXAMS

WHEN

PREP EXAMS: P1, P2, P3

NOVEMBER/
JANUARY

FINAL EXAMS: P1, P2, P3

MAY/JUNE

PROJECTS/SCHEME OF WORK/TOPICS

YEAR 12: P1 PURE

YEAR 12/13: P2 PURE AND MECHANICS

YEAR 13: P3 PURE AND STATISTICS

OTHER INFORMATION

Exam Board and Specification

We follow the AQA syllabus. The AS award comprises of two pure mathematics modules (Core 1 and Core 2) and one of the 'applications of mathematics' units (Decision 1 or Statistics1). The A2 award is completed by studying Core 3, Core 4 and Mechanics 1.

Textbooks

We use the Cambridge SMP series of textbooks.

Homework and Revision

Homework tasks often involve completing exercises from the above textbooks. Past papers are available to download from www.aqa.org.uk. Another useful website for revision and past papers is www.mrbartonmaths.com.

Contacts

If you have any queries, please telephone the school or contact ijoyce@samuelward.co.uk