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| **Semester 1** | | | | | | | | | | |
| **5.3** | | Equations  MA5.3-7NA | Properties of Geometrical Figures  MA5.3-16MG | | Single Variable and Bivariate Data Analysis  MA5.3-18SP  MA5.3‑19SP | | Circle Geometry  MA5.3‑17MG  MA5.3-8NA | | | |
| **5.2** | | Equations  MA5.2-8NA | Properties of Geometrical Figures  MA5.2-14MG | | Single Variable and Bivariate Data Analysis  MA5.2-15SP  MA5.2‑16SP | | Direct/Indirect Proportion  MA5.2-5NA | | | |
| **5.1** | | Revise Equations  MA4-10NA | Properties of Geometrical Figures  MA5.1-11MG | | Single Variable and Bivariate Data Analysis  MA5.1-12SP | | Linear Relationships  MA5.1-6NA  (5.1 students ONLY) | | | |
| **Time** | | Weeks 1-5 | Weeks 6-10 | | Weeks 1-5 | | Weeks 6-10 | | | |
| **Concepts** | | Solves linear and simple quadratic equations, linear inequalities and linear simultaneous equations, using analytical and graphical techniques | Describes and applies the properties of similar figures and scale drawings  Calculates the angle sum of any polygon and uses minimum conditions to prove triangles are congruent or similar  Proves triangles are similar, and uses formal geometric reasoning to establish properties of triangles and quadrilaterals  TASK | | uses statistical displays to compare sets of data, and evaluates statistical claims made in the media  uses quartiles and box plots to compare sets of data, and evaluates sources of data  investigates relationships between two statistical variables, including their relationship over time and using lines of best fit  uses standard deviation to analyse data  explores how data is used to inform decision-making | | Recognise direct and indirect proportion, and solves problems involving direct proportion  applies deductive reasoning to prove circle theorems and to solve related problems | | | |
| **Assessment Tasks - Major** | | **Assessment Task 1 – Examination open book**  Notice: Term 1, Week 6  Due: Term 1, Week 8 | | | **Assessment Task 2 – Data Assignment**  Notice: Term 2, Week 4  Due: Term 2, Week 6 | | | | | |
| **Revision Excel book** | | Chapter 1 Chapter 3 | Chapter 9 | | Chapter 11 | | | Chapter 8 units 1-6 | | |
| **Semester 2** | | | | | | | | | |
| **5.3** | Trigonometry  MA5.3-15MG | | Area and Surface Area  M A5.3-13MG | Logarithms  MA5.3-11NA | | Polynomials  MA5.3‑10NA  Graphs of Physical Phenomena  MA5.3-4NA | | | Non Linear Relationships  MA5.3-9NA  Functions and other graphs  MA5.3‑12NA |
| **5.2** | MA5.2-13MG | | Area and Surface Area  MA5.2-11MG | Equations, Formulae and Inequalities  MA5.2-8NA | | Probability  MA5.2-17SP | | |  |
| **5.1** | Revise Trigonometry  MA5.1-10MG | | Revise area surface area  MA5.1-8MG | Basic Equations | | Probability  MA5.1-13SP | | | Non-Linear Relationships  5.1 -7NA |
| **Time** | Weeks 1-5 | | Weeks 6-10 | Weeks 1-3 | | Weeks 4-7 | | | Weeks 8-10 |
| **Concepts** | Applies Pythagoras’ theorem, trigonometry relationships, the sine rule, the cosine rule and the area rule to solve problems, including problems involving three dimensions | | Calculates the areas of composite shapes, and the surface areas of rectangular and triangular prisms  Calculates the surface areas of right prisms, cylinders and related composite solids  Applies formulas to find the surface areas of right pyramids, right cones, spheres and related composite solids | solves linear and simple quadratic equations, linear inequalities and linear simultaneous equations, using analytical and graphical techniques  Uses the definition of a logarithm to establish and apply the laws of logarithms | | Calculates relative frequencies to estimate probabilities of simple and compound events  Describes and calculates probabilities in multi-step chance experiments  recognises, describes and sketches polynomials, and applies the factor and remainder theorems to solve problems  draws, interprets and analysis graphs of physical phenomena | | | uses function notation to describe and sketch functions  Graphs simple non-linear relationships  DESMOS TASK |
| **Assessment Tasks - Major** | **Assessment Task 3 – Trigonometry/Area Surface Area Examination Formula Sheet**  Notice Term 3 Week 6  Due Term 3 Week 8 | | | **Assessment Task 4 – Yearly Exam**  Notice Via Exam timetable  Due Term 4 Week 5 | | | | | |
| **Revision Excel Book** | Chapter 5 | | Chapter 6 | Chapter 3 and 7 | | Chapter 10 | | Chapter 9 unit 6-9 | |