Carmel College Curriculum Implementation – KS5 Year 13 Long term plan Subject A2 **Mathematics Version A**

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|  | **Pure and Statistics Teacher 3 lessons** | | **Pure and Mechanics Teacher 2 lessons** | |
| Autumn half term 1  Sequential knowledge and skills | Finish Trigonometry  Graphs and Modulus  Algebraic Fractions and Partial Fractions | | Finish Differentiation  Start Integration | |
| Assessment Content and methods used to judge learning | Trigonometry Test | | Differentiation Test | |
| Autumn half term 2  Sequential knowledge and skills | Probability  Binomial and Normal Distributions  Hypothesis Testing for population mean and product moment correlation coefficient (extra lessons after school/in free lessons) | | Finish Integration  Differential Equations  Vectors | |
| Assessment Content and methods used to judge learning | Homework | | Integration Test | |
| Spring half term 3  Sequential knowledge and skills | Parametric Equations  Proof  Sequences and Series  Start Numerical Methods | | Projectiles  Forces and Friction  (extra lessons after school/in free lessons) | |
| Assessment Content and methods used to judge learning | Mock Exam | | Mock Exam | |
| Spring half term 4 Sequential knowledge and skills | | Complete Numerical Methods  Revsion | | Moments  Revision |
| Assessment Content and methods used to judge learning | | Open Book Practice Papers | | Open Book Practice Papers |
| Summer half term 5 Sequential knowledge and skills | | Revision | | Revision |
| Assessment Content and methods used to judge learning | | Test Condition Practice Papers | | Test Condition Practice Papers |
| Summer half term 5  Sequential knowledge and skills | | Revision | | Revision |
| Assessment Content and methods used to judge learning  Assessment | | A2 Exams | | A2 Exams |

Carmel College Curriculum Implementation – KS5 Year 13 Long term plan Subject A2 **Mathematics Version B**

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|  | **Pure and Statistics Teacher 2 lessons** | | **Pure and Mechanics Teacher 3 lessons** | |
| Autumn half term 1  Sequential knowledge and skills | Finish Trigonometry  Graphs and Modulus (extra lessons needed after school) | | Finish Differentiation  Integration | |
| Assessment Content and methods used to judge learning | Trigonometry Test | | Differentiation Test | |
| Autumn half term 2  Sequential knowledge and skills | Algebraic Fractions and Partial Fractions  Probability | | Vectors  Projectiles  Forces and Friction  Moments | |
| Assessment Content and methods used to judge learning | Homework | | Integration Test | |
| Spring half term 3  Sequential knowledge and skills | Binomial and Normal Distributions  Hypothesis Testing for population mean and product moment correlation coefficient | | Parametric Equations  Proof  Sequences and Series  Start Numerical Methods  (extra lessons after school/in free lessons) | |
| Assessment Content and methods used to judge learning | Mock Exam | | Mock Exam | |
| Spring half term 4 Sequential knowledge and skills | | Revision | | Complete Numerical Methods  Revision |
| Assessment Content and methods used to judge learning | | Open Book Practice Papers | | Open Book Practice Papers |
| Summer half term 5 Sequential knowledge and skills | | Revision | | Revision |
| Assessment Content and methods used to judge learning | | Test Condition Practice Papers | | Test Condition Practice Papers |
| Summer half term 5  Sequential knowledge and skills | | Revision | | Revision |
| Assessment Content and methods used to judge learning  Assessment | | A2 Exams | | A2 Exams |