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 1Sequential knowledge and skills | Finish Trigonometry Graphs and ModulusAlgebraic Fractions and Partial Fractions | Finish DifferentiationStart Integration |
| Assessment Content and methods used to judge learning | Trigonometry Test | Differentiation Test  |
| Autumn half term 2Sequential knowledge and skills | ProbabilityBinomial and Normal Distributions Hypothesis Testing for population mean and product moment correlation coefficient (extra lessons after school/in free lessons) | Finish IntegrationDifferential EquationsVectors |
| Assessment Content and methods used to judge learning | Homework | Integration Test |
| Spring half term 3Sequential knowledge and skills | Parametric EquationsProof Sequences and SeriesStart Numerical Methods  | ProjectilesForces 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 5Sequential knowledge and skills | Revision  | Revision  |
| Assessment Content and methods used to judge learningAssessment | 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 1Sequential knowledge and skills | Finish Trigonometry Graphs and Modulus (extra lessons needed after school) | Finish DifferentiationIntegration |
| Assessment Content and methods used to judge learning | Trigonometry Test | Differentiation Test  |
| Autumn half term 2Sequential knowledge and skills | Algebraic Fractions and Partial FractionsProbability | VectorsProjectilesForces and Friction Moments  |
| Assessment Content and methods used to judge learning | Homework | Integration Test |
| Spring half term 3Sequential knowledge and skills | Binomial and Normal Distributions Hypothesis Testing for population mean and product moment correlation coefficient  | Parametric EquationsProof Sequences and SeriesStart 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 5Sequential knowledge and skills | Revision  | Revision  |
| Assessment Content and methods used to judge learningAssessment | A2 Exams | A2 Exams |