C1 C2 D1 Teaching

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| **Date** | **Wk** | **T1** | **Section** | **Textbook** | **T2** | **Section** | **Textbook** |
| 09/09/13 | 2 | 1 | C1 Working with surds  | 1A | 1 | C1 Linear Equations | 3A |
|  |  | 2 | C1 Surds  | 1B | 2 | C1 Solving Quadratics  | 3B |
|  |  | 3 | C1 Surds, Indices | 1B/1C |  |  |  |
| 16/09/13 | 1 | 1 | C1 Indices  | 1D/1E | 1 | C1 Sketching Quadratics  | 3C |
|  |  | 2 | C1 Indices  | 1E/1Fhwk | 2 | C1 Use of the Discriminant  | 3D/3Ehwk |
|  |  | 3 | C1 Manipulating Algebra  | 2A/2B |  |  |  |
| 23/09/13 | 2 | 1 | C1 Factorising | 2C/2D | 1 | C1 Linear Simultaneous Equations  | 5A/5B |
|  |  | 2 | C1 Factorising  | 2D | 2 | C1 One Linear and One Quadratic  | 5B/5C |
|  |  | 3 | C1 Fractions  | 2E/2Fhwk |  |  |  |
| 30/09/13 | 1 | 1 | C1 Review |  | 1 | C1 Use of the Discriminant  | 5D |
|  |  | 2 | C1 Linear Inequalities  | 4A/4B | 2 | C1 Chapter 5 Review | 5E |
|  |  | 3 | C1 Quadratic Inequalities | 4C |  |  |  |
| 07/10/13 | 2 | 1 | C1 Chapter 4 Review | 4D | 1 | **EXAM** |  |
|  |  | 2 | C1 Sequences  | 8A | 2 | **GO THROUGH EXAM** |  |
|  |  | 3 | C1 Series  | 8B |  |  |  |
| 14/10/13 | 1 | 1 | C1 Arithmetic Series  | 8C | 1 | C1 Line Segments  | 6A |
|  |  | 2 | C1 Using Formulae  | 8D | 2 | C1 Gradient of a line Segment  | 6B (Q1-7) |
|  |  | 3 | C1 Using Formulae  | 8D/8Ehwk |  |  |  |
| 21/10/13 | 2 | 1 | Review |  | 1 | C1 Equation of a line  | 6B (Q 8 – 22) |
|  |  | 2 | Review |  | 2 | C1 Applications  | 6C |
|  |  | 3 | Review |  |  |  |  |
| October Half Term |
| 04/11/13 | 1 | 1 | C1 Transformations  | 7A | 1 | C1 Applications  | 6C/6D |
|  |  | 2 | C1 Sketching Curves  | 7B | 2 | C1 Chapter 6 Review |  |
|  |  | 3 | C1 Sketching and Interpreting | 7B/7C |  |  |  |
| 11/11/13 | 2 | 1 | C1 Chapter 7 Review  |  | 1 | D1 Following Algorithms | 1A |
|  |  | 2 | C1 Differentiation  | 9A/9B | 2 | D1 Flow Charts | 1B |
|  |  | 3 | C1 Differentiation  | 9B |  |  |  |
| 18/11/13 | 1 | 1 | C1 Tangents and Normals | 9C | 1 | D1 Bubble and Quick Sort | 1C |
|  |  | 2 | C1 Tangents and Normals | 9C/9D | 2 | D1 Binary Search | 1D |
|  |  | 3 | C2 Increasing/Decreasing Funcs. | 15A/15B |  |  |  |
| 25/11/13 | 2 | 1 | C2 Stationary Points | 15B | 1 | D1 Bin Packing Algorithms | 1E |
|  |  | 2 | C2 Max and Min Problems | 15C | 2 | D1 Chapter 1 Review |  |
|  |  | 3 | C2 Sketching Curves 2 | 15D |  |  |  |
| 02/12/13 | 1 | 1 | Review Differentiation |  | 1 | D1 Introduction to Graph Theory | 2A |
|  |  | 2 | C1 Reversing Differentiation  | 10A | 2 | D1 Networks and Matrices | 2B |
|  |  | 3 | C1 Applying Integration  | 10B |  |  |  |
| 09/12/13 | 2 | 1 | C2 Area Under a Curve | 19A | 1 | D1 Kruskal’s Algorithm | 3A |
|  |  | 2 | C2 Area Under a Curve | 19A/19B | 2 | D1 Prim’s Algorithm (Network) | 3B |
|  |  | 3 | C2 Area between Line/Curve | 19B |  |  |  |
| 16/12/13 | 1 | 1 | C2 Trapezium Rule | 19C | 1 | D1 Prim’s Algorithm (Matrix) | 3C |
|  |  | 2 | Review Integration |  | 2 | D1 Dijkstra’s Algorithm | 3D |
|  |  | 3 | C1 Proof  | 11A |  |  |  |
| Christmas Holidays |
| 06/01/14 | 2 | 1 | Revision |  | 1 | Revision |  |
|  |  | 2 | Revision |  | 2 | **D1 Exam** |  |
|  |  | 3 | Revision |  |  |  |  |
| 13/01/14 | 1 | 1 | Revision |  | 1 | D1 Chapter 3 Review |  |
|  |  | 2 | **C1 Exam Jan 2013** |  | 2 | D1 Traversable Graphs | 4A |
|  |  | 3 | C2 Identities  | 12A |  |  |  |
| 20/01/14 | 2 | 1 | C2 Division of Polynomials  | 12B | 1 | D1 Route Inspection Algorithm | 4B |
|  |  | 2 | C2 Factor Theorem | 12C | 2 | D1 Chapter 4 Review |  |
|  |  | 3 | C2 Remainder Theorem | 12D/12E |  |  |  |
| 27/01/14 | 1 | 1 | C2 Equation of a Circle | 13A | 1 | D1 Precedence Tables | 5A |
|  |  | 2 | C2 Tangents to a Circle | 13B | 2 | D1 Use of Dummies | 5B |
|  |  | 3 | C2 Binomial Expansion – Pascal | 14A |  |  |  |
| 03/02/14 | 2 | 1 | C2 Binomial Expansion Formula | 14B/14C | 1 | D1 Forward and Backward Passes | 5C |
|  |  | 2 | C2 Radians/Basic Trig/Ratios | 16A | 2 | D1 Critical Activities/Floats | 5D/5E |
|  |  | 3 | C2 Graphs/Transformations | 16B |  |  |  |
| 10/02/14 | 1 | 1 | C2 Trig Identities | 16C | 1 | D1 Gantt Charts | 5F/5G |
|  |  | 2 | C2 Trig Equations | 16C | 2 | D1 Scheduling | 5H |
|  |  | 3 | C2 Arcs and Sectors | 17A |  |  |  |
| Spring Half Term |
| 24/02/14 | 2 | 1 | C2 Area of a Triangle | 17B | 1 | D1 Chapter 5 Review |  |
|  |  | 2 | C2 Sine Rule | 17C/17D | 2 | D1 Formulating LP Problems | 6A |
|  |  | 3 | C2 Cosine Rule | 17E |  |  |  |
| 03/03/14 | 1 | 1 | C2 Mixture of Problems | 17F | 1 | D1 Illustrating Inequalities | 6B |
|  |  | 2 | C2 Definition of a log | 18A | 2 | D1 Determining Optimal Solutions | 6C |
|  |  | 3 | C2 Laws of logs | 18B |  |  |  |
| 10/03/14 | 2 | 1 | C2 Graphs/Change of Base | 18C | 1 | D1 Integer Solutions | 6D |
|  |  | 2 | C2 Solving Equations | 18D | 2 | D1 Chapter 6 Review |  |
|  |  | 3 | C2 Introduce Geometric Series | 20A |  |  |  |
| 17/03/14 | 1 | 1 | C2 Formulae | 20A | 1 | D1 Bipartite Graphs | 7A |
|  |  | 2 | C2 Sum to Infinity | 20B | 2 | D1 Maximum Matching Algorithm | 7B |
|  |  | 3 | Past Papers and Revision C1/C2 |  |  |  |  |
| 24/03/14 | 2 | 1 | Past Papers and Revision C1/C2 |  | 1 | Past Papers and Revision D1 |  |
|  |  | 2 | Past Papers and Revision C1/C2 |  | 2 | Past Papers and Revision D1 |  |
|  |  | 3 | Past Papers and Revision C1/C2 |  |  |  |  |
| 31/03/14 | 1 | 1 | Past Papers and Revision C1/C2 |  | 1 | Past Papers and Revision D1 |  |
|  |  | 2 | **C1 Mock Exam June 2013** |  | 2 | **D1 Mock Exam June 2013** |  |
|  |  | 3 | Past Papers and Revision C1/C2 |  |  |  |  |
| Easter Holidays |