

| Week | Beginning | Calendar constraints | Teacher A/B | Textbook reference | Topics | RS/HW | AP | Other | Data deadline | |
|------|------------|--------------------------------------|-------------|--------------------|------------------|-----------------------------------------------------------|----|-------|--------------------------------|-----------------|
| 1 | 04/09/2023 | Inset 4th Induct 5&6 | b | 0 | | | | | | |
| | | | b | 0 | | | | | | |
| | | | b | 0 | | | | | | |
| | | | a | 1 | CP1 6.1 | Introduction to matrices | | | | |
| | | | a | 1 | CP1 6.2 | Matrix multiplication | | | | Thur 7th CPD |
| | | | a | 1 | CP1 6.3 | Determinants | | | | twilight |
| 2 | 11/09/2023 | | a | 1 | CP1 6.4 | Inverting a 2 x 2 matrix | | | | |
| | | | a | 1 | CP1 6.5 | Inverting a 3 x 3 matrix | | | | |
| | | | b | 1 | CP1 3.1, CP1 3.2 | Sums of natural numbers , Sums of squares and cubes | | | | |
| | | | b | 1 | CP1 8.1, CP1 8.2 | Proof by mathematical induction , Proving divisibility re | | | | |
| | | | a | 1 | CP1 8.3 | Proving statements involving matrices , Imaginary and | | | | |
| | | | a | 1 | CP1 6.6 | Solving systems of equations using matrices | | | | |
| 3 | 18/09/2023 | | a | 1 | CP1 7.1 | Linear transformations in two dimensions | | | | |
| | | | a | 1 | CP1 7.2 | Reflections and rotations | | | | |
| | | | a | 1 | CP1 7.3 | Enlargements and stretches | | | | |
| | | | a | 1 | CP1 7.4 | Successive transformations | | | Baseline | |
| | | | b | 1 | CP1 4.1, CP1 4.2 | Roots of a quadratic equation , Roots of a cubic equatio | | | | |
| | | | b | 1 | CP1 4.4 | Expressions relating to the roots of a polynomial | | | | |
| 4 | 25/09/2023 | | b | 1 | CP1 4.4 | Expressions relating to the roots of a polynomial | | | | |
| | | | a | 1 | CP1 7.5 | Linear transformations in three dimensions | | | | |
| | | | a | 1 | CP1 7.6 | The inverse of a linear transformation | | | | |
| | | | a | 1 | CP1 9.1 | Equation of a line in three dimensions | | | | |
| | | | a | 1 | CP1 9.2 | Equation of a plane in three dimensions | | | Y12 Baseline | |
| | | | a | 1 | CP1 9.3 | Scalar product | | | | |
| 5 | 02/10/2023 | | b | 1 | CP1 4.5 | Linear transformations of roots | | | | |
| | | | b | 1 | CP1 5.1 | Volumes of revolution around the x-axis | | | | |
| | | | b | 1 | CP1 5.2 | Volumes of revolution around the y-axis | | | | |
| | | | a | 1 | CP1 9.4 | Calculating angles between lines and planes | | | | |
| | | | a | 1 | CP1 9.5 | Points of intersection | | | | |
| | | | a | 1 | CP1 9.6 | Finding perpendiculars | | | Wed - Y12 awards | |
| 6 | 09/10/2023 | Tue inset Thur progress day | a | 1 | AP | | | | | |
| | | | a | 1 | AP | | | | | |
| | | | b | 1 | CP1 5.3 | Adding and subtracting volumes | | | | |
| | | | b | 1 | CP1 5.4 | Modelling with volumes of revolution | | | | |
| | | | a | 1 | CP2 2.1, CP2 2.2 | The method of differences , Higher derivatives | | | | |
| | | | a | 1 | CP2 1.1 | Exponential form of complex numbers | | | | |
| 7 | 16/10/2023 | | a | 1 | CP2 1.2 | Multiplying and dividing complex numbers | | | | |
| | | | a | 1 | CP2 1.3 | De Moivre's theorem | | | | |
| | | | a | 1 | CP2 1.4 | Trigonometric identities | | | | |
| | | | a | 1 | CP2 1.4 | Trigonometric identities | | | Y13 AP1 | |
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| 8 | 23/10/2023 | Half Term | a | 0 | | | | | | |
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| 9 | 30/10/2023 | | a | 1 | CP2 1.5 | Sums of series | | | Thur - Y12 tutor | |
| | | | a | 1 | CP2 1.6 | nth roots of a complex number | | | parents eve | |
| | | | a | 1 | CP2 1.7 | Solving geometric problems | | | | |
| | | | b | 1 | CP2 2.1, CP2 2.2 | The method of differences , Higher derivatives | | | | |
| | | | b | 1 | CP2 2.3 | Maclaurin series | | | | |
| | | | b | 1 | CP2 2.3 | Maclaurin series | | | | |
| 10 | 06/11/2023 | | a | 1 | CP2 5.1 | Polar coordinates and equations (convert polar to cart) | | | | |
| | | | a | 1 | CP2 5.2 | Sketching curves | | | | |
| | | | a | 1 | CP2 5.3 | Area enclosed by a polar curve | | | Tue 17th CPD | |
| | | | a | 1 | CP2 5.4 | Tangents to polar curves | | | twilight | |
| | | | a | 1 | CP2 6.1 | Introduction to hyperbolic functions | | | | |
| | | | b | 0 | | | | | | |
| 11 | 13/11/2023 | | b | 0 | | | | | | |
| | | | b | 0 | | | | | | |
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| 12 | 20/11/2023 | Fri Inset | a | 0 | | | | | | |
| | | | a | 0 | | | | | | |
| | | | b | 1 | CP2 2.4 | Series expansions of compound functions | | | | |
| | | | b | 1 | CP2 3.1 | Improper integrals | | | | |
| | | | b | 1 | CP2 3.2 | The mean value of a function | | | | |
| | | | a | 1 | CP2 6.2 | Inverse hyperbolic functions | | | Tue 31st Y13 parents eve | |
| 13 | 30/10/2023 | | a | 1 | CP2 6.3 | Identities and equations | | | | |
| | | | a | 1 | CP2 6.4 | Differentiating hyperbolic functions | | | | |
| | | | a | 1 | CP2 6.5 | Integrating hyperbolic functions | | | | |
| | | | a | 1 | CP2 7.1 | First-order differential equations | | | | |
| | | | b | 1 | CP2 3.3 | Differentiating inverse trigonometric functions | | | | |
| | | | b | 1 | CP2 3.4 | Integrating with inverse trigonometric functions | | | | |
| 14 | 06/11/2023 | | b | 1 | CP2 3.5 | Integrating using partial fractions | | | | |
| | | | a | 1 | CP2 7.1 | First-order differential equations | | | | |
| | | | a | 1 | CP2 7.2 | Second-order homogeneous differential equations | | | | |
| | | | a | 1 | CP2 7.3 | Second-order non-homogeneous differential equations | | | Wed 8th - open evening | |
| | | | a | 1 | CP2 7.4 | Using boundary conditions | | | | |
| | | | a | 1 | CP2 8.1 | Modelling with first-order differential equations | | | | |
| 15 | 13/11/2023 | | b | 1 | CP2 4.1 | Volumes of revolution around the x-axis | | | | |
| | | | b | 1 | CP2 4.2 | Volumes of revolution around the y-axis | | | | |
| | | | b | 1 | CP2 4.3 | Volumes of revolution of parametrically defined curves | | | | |
| | | | a | 1 | CP2 8.2 | Simple harmonic motion | | | | |
| | | | a | 1 | CP2 8.3 | Damped and forced harmonic motion | | | | |
| | | | a | 1 | CP2 8.4 | Coupled first-order simultaneous differential equations | | | | |
| 16 | 20/11/2023 | Fri Inset | a | 1 | CP2 8.4 | Coupled first-order simultaneous differential equations | | | | |
| | | | b | 1 | FP1 1.1 | Vector product (relate to perp lines) | | | | |
| | | | b | 1 | CP2 4.4 | Modelling with volumes of revolution | | | | |
| | | | b | 1 | FP1 4.1 | Algebraic methods | | | | |
| | | | a | 1 | FP1 4.2 | Using graphs to solve inequalities | | | | |
| | | | a | 1 | FP1 1.1 | Vector product (relate to perp lines) | | | | |
| 17 | 20/11/2023 | Fri Inset | a | 1 | FP1 1.2 | Finding areas | | | | |
| | | | a | 0 | | | | | | |
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| | | | a | 0 | | | | | | |
| | | | a | 0 | | | | | Fri 24th Trust inset | |
| 18 | 20/11/2023 | Fri Inset | b | 1 | FP1 4.3 | Modulus inequalities | | | | |
| | | | b | 1 | D1 1.1 | Using flow charts and understanding algorithms | | | | |
| | | | b | 1 | D1 1.2 | Flow charts | | | | |

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| 13 | 27/11/2023 | a | 1 | FP1 1.3 | Scalar triple product | Tue - Maths challenge |
| | | a | 1 | FP1 1.4 | Straight lines | |
| | | a | 1 | FP1 1.5 | Solving geometrical problems | |
| | | a | 1 | FP1 1.5 | Solving geometrical problems | |
| 14 | 04/12/2023 | b | a | AP | | Thur 7th twilight |
| | | b | a | AP | | |
| | | b | a | AP | | |
| | | a | a | AP | | |
| | | a | a | AP | | |
| | | a | a | AP | | |
| 15 | 11/12/2023 | b | 1 | D1 1.3 | Bubble sort | |
| | | b | 1 | D1 1.4, D1 1.5 | Quick sort, Bin-Packing algorithm | |
| | | b | 1 | D1 1.6 | Order of an algorithm | |
| | | a | 1 | FP1 2.1 | Parametric equations | |
| | | a | 1 | FP1 2.2 | Parabolas | |
| | | a | 1 | FP1 2.3 | Rectangular hyperbolas | |
| | | a | 1 | FP1 2.4 | Tangents and normals | |
| 16 | 18/12/2023 | a | 1 | FP1 2.5 | Loci | Y12 Y13 AP2 |
| | | b | 1 | D1 2.1 | Modelling with graphs | |
| | | b | 1 | D1 2.2 | Graph theory | |
| | | b | 1 | D1 2.3 | Special types of graph | |
| | | a | 1 | FP1 3.1 | Ellipses | |
| | | a | 1 | FP1 3.2 | Hyperbolas | |
| | | a | 1 | FP1 3.3 | Eccentricity | |
| 17 | 25/12/2023 | a | 1 | FP1 3.4 | Tangents and normals to an ellipse | xmas |
| | | a | 1 | FP1 3.5 | Tangents and normals to a hyperbola | |
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| 18 | 01/01/2024 | a | 0 | | | xmas |
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| 19 | 08/01/2024 | b | 1 | D1 2.4 | Representing graphs and networks using matrices | Thur - y13 alumni awards |
| | | b | 1 | D1 2.5 | The planarity algorithm | |
| | | b | 1 | D1 3.1 | Kruskal's algorithm | |
| | | a | 1 | FP1 3.6 | Loci | |
| | | a | 1 | FP1 5.1 | The t-formulae | |
| | | a | 1 | FP1 5.2 | Applying the t-formulae to trigonometric identities | |
| 20 | 15/01/2024 | a | 1 | FP1 5.3 | Solving trigonometric equations | Thur Y12 (ap2) |
| | | a | 1 | FP1 5.4 | Modelling with trigonometry | |
| | | b | 0 | | | |
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| | | b | 0 | | | |
| | | a | 1 | FP1 6.1 | Taylor series | |
| 21 | 22/01/2024 | a | 1 | FP1 6.1 | Taylor series | Mon 22nd twilight |
| | | a | 1 | FP1 6.2 | Finding limits | |
| | | a | 1 | FP1 6.3 | Series solutions of differential equations | |
| | | a | 1 | FP1 7.1 | Leibnitz's theorem and nth derivatives | |
| | | a | 1 | FP1 7.2 | L'Hospital's rule | |
| | | a | 1 | FP1 7.3 | The Weierstrass substitution | |
| 22 | 29/01/2024 | a | 1 | FP1 7.3 | The Weierstrass substitution | Tue - open evening |
| | | a | 1 | FP1 8.1 | Solving first-order differential equations | |
| | | a | 1 | FP1 8.2 | Solving second-order differential equations | |
| | | b | 1 | D1 3.2 | Prim's algorithm | |
| | | b | 1 | D1 3.3 | Applying Prim's algorithm to a distance matrix | |
| | | b | 1 | D1 3.4 | Using Dijkstra's algorithm to find the shortest path | |
| 23 | 05/02/2024 | a | 1 | FP1 9.1 | First-order differential equations | Thur inset |
| | | a | 1 | FP1 9.1 | First-order differential equations | |
| | | a | 0 | | | |
| | | a | 0 | | | |
| | | a | 1 | FP1 9.2 | Second-order differential equations | |
| | | a | 1 | FP1 9.2 | Second-order differential equations | |
| 24 | 12/02/2024 | a | 1 | FP1 9.3 | Modelling with differential equations | half term |
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| 25 | 19/02/2024 | a | 1 | D1 5.3, D1 5.4 | Using a minimum spanning tree method to find a lower | |
| | | b | 1 | D1 6.1 | Linear programming problems | |
| | | b | 1 | D1 6.2 | Graphical methods | |
| | | a | 1 | D1 8.1 | Modelling a project | |
| | | a | 1 | D1 8.2 | Dummy activities | |
| | | a | 1 | D1 8.3 | Early and late event times | |
| | | a | 1 | D1 8.4 | Critical activities | |
| | | a | 1 | D1 8.5 | The float of an activity | |
| 26 | | b | a | AP | | |
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| 26 | 26/02/2024 | Y13 mocks | a | AP | | Wed 28th twilight |
| | | | b | AP | | |
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| | | | a | D1 8.6 | Gantt charts | |
| | | | a | D1 8.7 | Resource histograms | |
| | | | a | D1 8.8 | Scheduling diagrams | |
| | | | a | | | |
| 27 | 04/03/2024 | Y13 mocks - > Wed | a | | | |
| | | | b | D1 6.3 | Locating the optimal point | |
| | | | b | D1 6.4 | Solutions with integer values | |
| | | | b | D1 7.1 | Formulating linear programming problems | |
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| 28 | 11/03/2024 | | a | | | Tue - Quiz night Y13 Mock 2 y12 AP 4 |
| | | | b | D1 7.2 | The simplex method | |
| | | | b | D1 7.2 | The simplex method | |
| | | | b | D1 7.3 | Problems requiring integer solutions | |
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| 29 | 18/03/2024 | | a | | | |
| | | | b | D1 7.4 | Two-stage-simplex method | |
| | | | b | D1 7.4 | Two-stage-simplex method | |
| | | | b | D1 7.5 | The Big-M method | |
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| 30 | 25/03/2024 | Fri Bank Hol | a | | | Wed - Y13 parents eve Thur Y12 AP3 |
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| 31 | 01/04/2024 | Easter | a | | | |
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| 32 | 08/04/2024 | Easter | a | | | |
| | | | b | D1 7.5 | The Big-M method | |
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| 33 | 15/04/2024 | Thur prog day | a | | | Thur - Y12 parents evening |
| | | | b | AP | | |
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| 34 | 22/04/2024 | | a | | | Y13 AP5 (at risk or finish course) |
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| 35 | 29/04/2024 | | a | | | Thur - twilight 5 |
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| 36 | 06/05/2024 | Mon bank hol | a | | | |
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| 37 | 13/05/2024 | Summer exams start | a | | | Fri Y13 leavers? |
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| 38 | 20/05/2024 | | a | | | |
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| 39 | 27/05/2024 | half term | a | 0 | |
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| 40 | 03/06/2024 | | a | 0 | |
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| 41 | 10/06/2024 | | a | 0 | |
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| 42 | 17/06/2024 | Fri study leave | a | 0 | |
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| 43 | 24/06/2024 | Y12 mocks | a | 0 | |
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| 44 | 01/07/2024 | Y12 mocks - > Tue Post 18 days | a | 0 | |
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| 45 | 08/07/2024 | | a | 0 | |
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| 46 | 15/07/2024 | Work experience | a | 0 | |
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| 47 | 22/07/2024 | Finished | a | 0 | |

Friday UCAS
exhibition?

Mon Y11
induction
Thu Y13
prom

Tue 2nd
twilight

Y12 AP5

Y12 mock
2 AP6