

Further Mathematics – Year 12 Report Feedback Sheet

Please find below information on each of the topics outlined on your child’s report for further mathematics. We have listed each topic based on your child’s report to help you support your child in improving on their ‘insecure’ or ‘developing’ topics. The resources listed below contain a link to a tutorial on that topic, a set of exam questions and the mark scheme.

| Topic 1 – D1 | Resources |
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| Linear programming | Course: Edexcel Further Mathematics: Decision Mathematics 1, Topic: Linear programming 1: Formulating and solving graphically (integralmaths.org) |
| | linearp_q1.pdf (wordpress.com) |
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| Topic 2 – Core Pure | Resources |
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| Matrices - solving | Matrices - Solving Simultaneous Equations Exam Questions.pdf (alevelmathsrevision.com) |
| | Matrices - Solving Simultaneous Equations Exam Questions MS.pdf (alevelmathsrevision.com) |
| | Solving Simultaneous Equations Using Matrices [Yr1 Further (Pure Core)] - YouTube |

| Topic 3 - Core Pure | Resources |
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| Loci and argand diagrams | Straight Lines on the Argand Diagram [Yr1 Further (Pure Core)] - YouTube |
| | Complex Numbers - The Argand Diagram and Loci Exam Questions.pdf (alevelmathsrevision.com) |
| | Complex Numbers - The Argand Diagram and Loci Exam Questions MS.pdf (alevelmathsrevision.com) |

| Topic 4 - Core Pure | Resources |
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| Proof by Induction - Sequences | Proof By Induction (Summations) [Yr2 OCR/Yr1 Edexcel and MEI (Further) Pure Core] - YouTube |
| | Proof By Induction (Inductive Sequences) Exam Questions.pdf (alevelmathsrevision.com) |
| | Proof By Induction (Inductive Sequences) Exam Questions MS.pdf (alevelmathsrevision.com) |

| Topic 5 - Core Pure | Resources |
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| Vectors | Vector and Cartesian Forms of Straight Lines in 3d [Yr1 (Further) Pure Core] - YouTube |
| | Vectors Exam Questions.pdf (alevelmathsrevision.com) |
| | Vectors Exam Questions MS.pdf (alevelmathsrevision.com) |

| Topic 6 - Core Pure | Resources |
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| Roots of polynomials | Roots of Polynomials (Quadratics and Cubics) [Yr1 (Further) Pure Core] - YouTube |
| | Roots of Polynomials Exam Questions.pdf (alevelmathsrevision.com) |
| | Roots of Polynomials Exam Questions MS.pdf (alevelmathsrevision.com) |