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| Basic Mathematics | |
| **SOURCE: 01** | **Ed-Excel A-Level Pure Mathematics – 1** |
| 03 | [Algebra and Function – 1 | Law of Indices](https://www.youtube.com/watch?v=YapJp3rKwP4&list=PLlcvR9uyH6_WS3gtoJhjWG1v0MS71OoQG&index=1&pp=iAQB) |
| 04 | Algebra and Function – 2 | Algebraic Expression |
| 05 | Algebra and Function – 3 | Quadratics |
| 06 | Algebra and Function – 4 | Quadratics |
|  | Algebra and Function – 5 | Quadratics |
|  | Algebra and Function – 6 | Challenge Questions |
|  | Algebra and Function – 7 | Linear Equations |
|  | Algebra and Function – 8 | Equations Systems |
|  | Algebra and Function – 9 | Solve Inequality |
|  | Algebra and Function – 10 | Solve Inequality |
|  | Algebra and Function – 11 | Cubic Graph |
|  | Algebra and Function – 12 | Reciprocals |
|  | Algebra and Function – 13 | Graph Transformation |
|  | Algebra and Function – 14 | Challenge Questions |
|  | Algebra and Function – 15 | Review – 1 |
|  | Algebra and Function – 16 | Review – 2 |
|  | Coordinate Geometry in the (x, y) Plane – 1 |
|  | Coordinate Geometry in the (x, y) Plane – 2 |
|  | Coordinate Geometry in the (x, y) Plane – 3 |
|  | Trigonometry – 1 |
|  | Trigonometry – 2 |
|  | Trigonometry – 3 |
|  | Trigonometry – 4 |
|  | Trigonometry – 5 |
|  | Trigonometry – 6 | Review |
|  | Differentiation – 1 |
|  | Differentiation – 2 |
|  | Differentiation – 3 |
|  | Differentiation – 4 | Review |
|  | Integration – 1 |
|  | Integration – 1 | Challenge Questions |
|  | Past Paper – May / June 2020 |
| **SOURCE: 01** | **Ed-Excel A-Level Pure Mathematics – 2** |
|  | [Inequalities – 1](https://www.youtube.com/watch?v=q7_hFDbJ-5I&list=PLlcvR9uyH6_WFd-wsz-LXcjWg2n09ANIh&index=1&pp=iAQB) |
|  | Inequalities – 2 |
|  | Inequalities – 3 |
|  | Inequalities – 4 |
|  | Series – 1 |
|  | Series – 2 |
|  | Series – 3 |
|  | Complex Numbers – 1 |
|  | Complex Numbers – 2 |
|  | Complex Numbers – 3 |
|  | Complex Numbers – 4 |
|  | Complex Numbers – 5 |
|  | Complex Numbers – 6 |
|  | Complex Numbers – 7 |
|  | Complex Numbers – 8 |
|  | Complex Numbers – 9 | Transformation |
|  | Complex Numbers – 10 | Challenge Questions |
|  | Complex Numbers – 11 | Challenge Questions |
|  | Complex Numbers – 12 | Review |
|  | First Order Differential Equations – 1 |
|  | First Order Differential Equations – 2 |
|  | First Order Differential Equations – 3 |
|  | First Order Differential Equations – 4 |
|  | Second Order Differential Equations – 1 |
|  | Second Order Differential Equations – 2 |
|  | Second Order Differential Equations – 3 |
|  | Second Order Differential Equations – 4 |
|  | Maclaurin and Taylor Series – 1 |
|  | Maclaurin and Taylor Series – 2 |
|  | Maclaurin and Taylor Series – 3 |
|  | Maclaurin and Taylor Series – 4 |
|  | Maclaurin and Taylor Series – 5 |
|  | Maclaurin and Taylor Series – 6 |
|  | Polar Coordinates – 1 |
|  | Maclaurin and Taylor Series – 2 |
|  | Maclaurin and Taylor Series – 3 |
|  | Maclaurin and Taylor Series – 4 |
|  | Maclaurin and Taylor Series – 5 |
|  | Chapter 1 Review Question 7 |
|  | Further Pure Mathematics 2 | Question and Answer Page 44 |
|  | Further Pure Mathematics 2 | Question and Answer Page 63 |
|  | Further Pure Mathematics 2 | Question and Answer – Loops in Polar Coordinates |
|  | Further Pure Mathematics 2 | Question and Answer Page 127 Section 7A |
|  | Further Pure Mathematics 2 | Past Paper – May / June 2018 |
| **SOURCE: 01** | **Ed-Excel A-Level Pure Mathematics – 3** |
|  | [Algebra and Function – 1](https://www.youtube.com/watch?v=Y34VWHEqWW4&list=PLlcvR9uyH6_WJ5at23xB5FoxJzK4W5jiQ&index=1&pp=iAQB) |
|  | Algebra and Function – 2 |
|  | Algebra and Function – 3 |
|  | Algebra and Function – 4 |
|  | Algebra and Function – 5 |
|  | Algebra and Function – 6 | Challenge Questions |
|  | Trigonometry – 1 |
|  | Trigonometry – 2 |
|  | Trigonometry – 3 |
|  | Trigonometry – 4 |
|  | Trigonometry – 5 |
|  | Trigonometry – 6 |
|  | Trigonometry – 7 |
|  | Trigonometry – 8 |
|  | Trigonometry – 9 |
|  | Trigonometry – 10 | Review |
|  | Exponential and Logarithms – 1 |
|  | Exponential and Logarithms – 2 |
|  | Exponential and Logarithms – 3 |
|  | Exponential and Logarithms – 4 |
|  | Differentiation – 1 |
|  | Differentiation – 2 |
|  | Differentiation – 3 |
|  | Differentiation – 4 |
|  | Differentiation – 5 |
|  | Differentiation – 6 |
|  | Integration – 1 |
|  | Integration – 2 |
|  | Integration – 3 |
|  | Integration – 4 |
|  | Integration – 5 |
|  | Numerical Method – 1 |
|  | Numerical Method – 2 |
|  | A Level Pure Mathematics 3 | Question and Answer |
|  | A Level Pure Mathematics 3 | Past Paper – 01 / 2022 |

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| Basic Mathematics | |
| **SOURCE: 04** | **A-Level Mathematics** |
| 01 | [The Ultimate A-Level Maths Resource](https://www.youtube.com/watch?v=Jce5T-EBq4Y&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=1&pp=iAQB) |
| 02 | [Proof By Deduction](https://www.youtube.com/watch?v=MPMZgXZG4uQ&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=2&pp=iAQB) |
| 03 | [Proof By Exhaustion](https://www.youtube.com/watch?v=wDFhlj_Q_vs&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=3&pp=iAQB) |
| 04 | [Disproof By Counter Example](https://www.youtube.com/watch?v=DUSQkfwYmOs&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=4&pp=iAQB) |
| 05 | [Proof By Contradiction](https://www.youtube.com/watch?v=Rc4xVMS6UNY&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=5&pp=iAQB) |
| 06 | [The Discriminant](https://www.youtube.com/watch?v=34rLC-HByko&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=6&pp=iAQB) |
| 07 | [Solving Linear Inequalities](https://www.youtube.com/watch?v=MRDvti3w4BA&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=7&pp=iAQB) |
| 08 | [Solving Quadratic Inequalities](https://www.youtube.com/watch?v=J7P5PT_iLVY&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=8&pp=iAQB) |
| 09 | [Algebraic Long Division](https://www.youtube.com/watch?v=rCPIAE_Ts60&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=9&pp=iAQB) |
| 10 | [The Factor Theorem](https://www.youtube.com/watch?v=cJ7jjxpBgvA&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=10&pp=iAQB) |
| 11 | [The Remainder Theorem](https://www.youtube.com/watch?v=_q4mT8WWu0Q&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=11&pp=iAQB) |
| 12 | [The Modulus Function](https://www.youtube.com/watch?v=cLPV3ADor8U&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=12&pp=iAQB) |
| 13 | [Modulus Equations and Inequalities](https://www.youtube.com/watch?v=5BgikWZMBJY&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=13&pp=iAQB) |
| 14 | [Inverse Function](https://www.youtube.com/watch?v=OAAJv0f0SA8&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=14&pp=iAQB) |
| 15 | [Partial Fractions](https://www.youtube.com/watch?v=7T_0MGYaApg&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=15&pp=iAQB) |
| 16 | [Coordinate Geometry: Equation of a Straight Line](https://www.youtube.com/watch?v=TtLSX8DE7fQ&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=16&pp=iAQB) |
| 17 | [Coordinate Geometry: Equation of a Circle](https://www.youtube.com/watch?v=Nvbbs7Pd8LM&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=17&pp=iAQB) |
| 18 | [Parametric Equations](https://www.youtube.com/watch?v=a6SlUF_lz5c&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=18&pp=iAQB) |
| 19 | [Introduction to Binomial Expansions](https://www.youtube.com/watch?v=eu1Jv4FVvzs&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=19&pp=iAQB) |
| 20 | [Arithmetic Sequences](https://www.youtube.com/watch?v=81lcvz5qHAY&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=20&pp=iAQB) |
| 21 | [Arithmetic Series](https://www.youtube.com/watch?v=NAkpkGc3F5I&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=21&pp=iAQB) |
| 22 | [Geometric Sequences](https://www.youtube.com/watch?v=h_ne3xMBCuI&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=22&pp=iAQB) |
| 23 | [Geometric Series](https://www.youtube.com/watch?v=DTsNdCjJA0Y&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=23&pp=iAQB) |
| 24 | [Trigonometric Identities](https://www.youtube.com/watch?v=RSE7t4MgQc8&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=24&pp=iAQB) |
| 25 | [Trigonometric Equations](https://www.youtube.com/watch?v=nhifk4xju_A&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=25&pp=iAQB) |
| 26 | [Trigonometry: Double Angle Formula](https://www.youtube.com/watch?v=8Lh58vX10Zo&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=26&pp=iAQB) |
| 27 | [Exponential Functions](https://www.youtube.com/watch?v=1BQ0oBLXPb4&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=27&pp=iAQB) |
| 28 | [Logarithm Function](https://www.youtube.com/watch?v=yKwq7o9ERMQ&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=29&pp=iAQB) |
| 29 | [Logarithm Laws](https://www.youtube.com/watch?v=SQlFloGkibU&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=30&pp=iAQB) |
| 30 | [Exponential Modelling: Growth and Decay](https://www.youtube.com/watch?v=3p2yTvKbh9I&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=31&pp=iAQB) |
| 31 | [Differentiation from First Principles](https://www.youtube.com/watch?v=DYVLnincsRE&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=32&pp=iAQB) |
| 32 | [Differentiation Rules](https://www.youtube.com/watch?v=z9HMnUKh8yE&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=33&pp=iAQB) |
| 33 | [Differentiation: Chain Rule](https://www.youtube.com/watch?v=yubR3MJvWlU&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=34&pp=iAQB) |
| 34 | [Differentiation of Trigonometric Functions](https://www.youtube.com/watch?v=uztfTyhQRmY&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=35&pp=iAQB) |
| 35 | [Implicit Differentiation](https://www.youtube.com/watch?v=6d5knwqx-ZM&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=36&pp=iAQB) |
| 36 | [Introduction to Integration](https://www.youtube.com/watch?v=_2gyw4EUW1s&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=37&pp=iAQB) |
| 37 | [Integration: The Reverse Chain Rule](https://www.youtube.com/watch?v=lF0H8ScLm8Y&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=38&pp=iAQB) |
| 38 | [Integration By Substitution](https://www.youtube.com/watch?v=6owxU2asHz8&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=39&pp=iAQB) |
| 39 | [Integration By Parts](https://www.youtube.com/watch?v=Dpn-A3QfHx0&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=40&pp=iAQB) |
| 40 | [First Order Differential Equations](https://www.youtube.com/watch?v=sSo6yGDJyAE&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=41&pp=iAQB) |
| 41 | [Variance and Standard Deviation](https://www.youtube.com/watch?v=DU8S6kjDMNY&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=42&pp=iAQB) |
| 42 | [Variance and Standard Deviation](https://www.youtube.com/watch?v=DU8S6kjDMNY&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=43&pp=iAQB) |
| 43 | [Histograms](https://www.youtube.com/watch?v=bvNGBNVVADQ&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=44&pp=iAQB) |
| 44 | [Probability: Mutually Exclusive Events](https://www.youtube.com/watch?v=LwhiIAfCTk8&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=45&pp=iAQB) |
| 45 | [Probability: Venn Diagrams](https://www.youtube.com/watch?v=yJ7XyFdw3WQ&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=46&pp=iAQB) |
| 46 | [Conditional Probability](https://www.youtube.com/watch?v=Ndy5r_H9Ct8&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=47&pp=iAQB) |
| 47 | [Binomial Distribution](https://www.youtube.com/watch?v=UbsbOKJ1OjI&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=48&pp=iAQB) |
| 48 | [Normal Distribution](https://www.youtube.com/watch?v=uDwTGDQr_5I&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=49&pp=iAQB) |
| 49 | [Newton-Raphson Method](https://www.youtube.com/watch?v=zitXlM14-bg&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=50&pp=iAQB) |
| 50 | [Trapezium Rule](https://www.youtube.com/watch?v=9YKZHLN6Hrw&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=51&pp=iAQB) |
| 51 | [Hypothesis Testing](https://www.youtube.com/watch?v=k4SNOqExA0s&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=52&pp=iAQB) |
| 52 | [Simple Random Sampling](https://www.youtube.com/watch?v=81ofezPgfkg&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=53&pp=iAQB) |
| 53 | [Vector: Magnitude and Direction](https://www.youtube.com/watch?v=YJ1vcIqwBY0&list=PLkocNW0BSuEGm7hnEf37U7vmz1n8U-7xL&index=54&pp=iAQB) |