YR10M Year 10 Maths

intuition

Term 1, 2027

1	18 Jan - 24 Jan	**Indices and Surds** Index laws with negative-integer indices, surds, fractional indices
2	25 Jan - 31 Jan	**Algebraic Techniques** Expanding binomial products, factorising monic quadratic expressions
3	1 Feb - 7 Feb	**Equations and Inequalities** Literal equations, quadratic equations, linear inequalities on a number line
4	8 Feb - 14 Feb	**Properties of Geometrical Figures** Classifying triangles and quadrilaterals, angle sum, geometric properties
5	15 Feb - 21 Feb	**Financial Mathematics** Earning money, simple interest, compound interest and depreciation
6	22 Feb - 28 Feb	**Linear Relationships** The Cartesian plane, plotting linear relationships, graphical solutions
7	1 Mar - 7 Mar	**Functions and Other Graphs** Relations and functions, function notation, domain and range
8	8 Mar - 14 Mar	**Non-Linear Relationships** Quadratic and exponential relationships, distinguishing graph types
9	15 Mar - 21 Mar	**Term 1 Revision Lesson**
10	22 Mar - 28 Mar	**Tutorials Only**
11	29 Mar - 4 Apr	**Intu Term 1, 2027 Exam**
12	5 Apr - 11 Apr	**Intu Term 1, 2027 Exam Review**

Term 2, 2027

15	26 Apr - 2 May	**Congruence and Similarity** Conditions for congruence and similarity, formal geometric proofs
16	3 May - 9 May	**Right-angled Trigonometry** Trigonometric ratios, elevation, depression and bearings
17	10 May - 16 May	**Non-right-angled Trigonometry** Sine rule, cosine rule, area of a triangle, three-dimensional problems
18	17 May - 23 May	**Area, Surface Area and Volume** Surface area and volume of composite solids
19	24 May - 30 May	**Probability** Chance experiments, sample space, theoretical probability
20	31 May - 6 Jun	**Trigonometric Functions and Graphs** The unit circle, graphing trigonometric functions, trigonometric equations
21	7 Jun - 13 Jun	**Term 2 Revision Lesson**
22	14 Jun - 20 Jun	**Intu Term 2, 2027 Exam**
23	21 Jun - 27 Jun	**Intu Term 2, 2027 Exam Review**
24	28 Jun - 4 Jul	**Tutorials Only**

Term 3, 2027

27	19 Jul - 25 Jul	**Logarithms** Logarithms numerically and graphically, the laws of logarithms
28	26 Jul - 1 Aug	**Data Analysis 1** Quartiles, interquartile range and box plots
29	2 Aug - 8 Aug	**Data Analysis 2** Standard deviation, comparing datasets, statistical inquiry
30	9 Aug - 15 Aug	**Circle Geometry** Angle and chord properties, tangent and secant properties
31	16 Aug - 22 Aug	**Polynomials 1** Defining and operating with polynomials, dividing polynomials
32	23 Aug - 29 Aug	**Polynomials 2** Factor and remainder theorems, graphing polynomials
33	30 Aug - 5 Sep	**Term 3 Revision Lesson**
34	6 Sep - 12 Sep	**Intu Term 3, 2027 Exam**
35	13 Sep - 19 Sep	**Intu Term 3, 2027 Exam Review**
36	20 Sep - 26 Sep	**Tutorials Only**

Term 4, 2027 (Adv)

Weekly Classes

Monday
4:30pm - 6:30pm
Saturday
3:30pm - 5:30pm
Sunday
3:30pm - 5:30pm

Tutorials

Weekdays
3:30pm - 4:30pm
4:30pm - 5:30pm
5:30pm - 6:30pm
6:30pm - 7:30pm

Weekends
9:30am - 10:30am
10:30am - 11:30am
11:30am - 12:30pm
12:30pm - 1:30pm
1:30pm - 2:30pm
3:30pm - 4:30pm
4:30pm - 5:30pm
5:30pm - 6:30pm

39	11 Oct - 17 Oct	**Algebraic Techniques** Surds, index laws, quadratic factorisation, algebraic fractions, completing the square
40	18 Oct - 24 Oct	**Introduction to Functions and Relations** Function notation f(x), domain and range, vertical line test, even and odd functions
41	25 Oct - 31 Oct	**Absolute Value Functions** Absolute value notation, piecewise definition, graphing y = |x|, solving absolute value equations
42	1 Nov - 7 Nov	**Graph Transformations** Translations, reflections and dilations of y = f(x)
43	8 Nov - 14 Nov	**Trigonometry and Measure of Angles** Exact ratios, the unit circle, angles of any magnitude, sine and cosine rules
44	15 Nov - 21 Nov	**Probability and Data** Set notation, Venn diagrams, conditional probability, two-way tables
45	22 Nov - 28 Nov	**Term 4 Revision** Consolidating the Year 11 Advanced prep topics
46	29 Nov - 5 Dec	**Intu Term 4, 2027 Exam**
47	6 Dec - 12 Dec	**Intu Term 4, 2027 Exam Review**
48	13 Dec - 19 Dec	**Tutorials Only**

Term 4, 2027 (Std)

39	11 Oct - 17 Oct	**Formulas and Equations** Substitution, changing the subject, solving linear equations, formulas in context
40	18 Oct - 24 Oct	**Linear Relationships** Gradient and intercept, y = mx + c, direct variation, linear models
41	25 Oct - 31 Oct	**Applications of Measurement** Units and conversions, perimeter, area and volume, measurement error
42	1 Nov - 7 Nov	**Time and Location** Time zones, latitude and longitude, timetables, 12- and 24-hour time
43	8 Nov - 14 Nov	**Networks, Paths and Trees** Vertices and edges, network diagrams, paths and cycles, minimum spanning trees
44	15 Nov - 21 Nov	**Data Analysis** Data types, dot plots and histograms, mean, median, mode and range
45	22 Nov - 28 Nov	**Term 4 Revision** Consolidating the Year 11 Standard prep topics
46	29 Nov - 5 Dec	**Intu Term 4, 2027 Exam**
47	6 Dec - 12 Dec	**Intu Term 4, 2027 Exam Review**
48	13 Dec - 19 Dec	**Tutorials Only**