

# 2023/2024 TOPIC SCHEDULE

As of 22nd Nov 2023  
Subject to change

# SCHEDULE Preliminary Maths Advanced (PMA)

Week	Dates	Topic	Description
31	Mon 9 Oct - Sun 15 Oct	Algebra I	Year 10 Review
32	Mon 16 Oct - Sun 22 Oct	Algebra II	Quadratics
33	Mon 23 Oct - Sun 29 Oct	Surds	Irrational Numbers
34	Mon 30 Oct - Sun 5 Nov	Functions & Relations I	Introduction
35	Mon 6 Nov - Sun 12 Nov	Functions & Relations II	Sketching Graphs
36	Mon 13 Nov - Sun 19 Nov	Functions & Relations III	Graphing Transformations
37	Mon 20 Nov - Sun 26 Nov	Functions & Relations IV	Graphing Polynomials & Problem Solving
38	Mon 27 Nov - Sun 3 Dec	Functions & Relations Review	Functions & Relations Review
39	Mon 4 Dec - Sun 10 Dec	Topic Exam Review	Topic Exam Review
January Holidays			
1	Mon 29 Jan - Sun 4 Feb	Trigonometry I	Ratios & Angles
2	Mon 5 Feb - Sun 11 Feb	Trigonometry II	Trigonometric Identities & Equations
3	Mon 12 Feb - Sun 18 Feb	Trigonometry III	Sine & Cosine Rules, Area of a Triangle, Real-life Applications
4	Mon 19 Feb - Sun 25 Feb	Trigonometry Review	Trigonometry Review
5	Mon 26 Feb - Sun 3 Mar	Gradient & Linear Equations	Gradients & Equations of Lines
6	Mon 4 Mar - Sun 10 Mar	Differentiation I	Differentiation from First Principles
7	Mon 11 Mar - Sun 17 Mar	Differentiation II	The Chain Rule
8	Mon 18 Mar - Sun 24 Mar	Differentiation III	The Product & The Quotient Rule
9	Mon 25 Mar - Sun 31 Mar	Topic Exam Review	Topic Exam Review
April Holidays			
11	Mon 29 Apr - Sun 5 May	Rates and Motion	Rates of change, Motion in a straight line
12	Mon 6 May - Sun 12 May	Exp & Log Functions I	Exp Equations & Logarithms
13	Mon 13 May - Sun 19 May	Exp & Log Functions II	The Log Laws & Applications of Logarithms
14	Mon 20 May - Sun 26 May	Exp & Log Functions III	Exponentials, Population Growth & Decay
15	Mon 27 May - Sun 2 Jun	Exp & Log Functions Review	Exp & Log Functions Review
16	Mon 3 Jun - Sun 9 Jun	Trig in Radians I	Radian Measure
17	Mon 10 Jun - Sun 16 Jun	Trig in Radians II	Graphing the Trig Functions with Radians
18	Mon 17 Jun - Sun 23 Jun	Trig in Radians III	Arc Lengths, Sectors, Segments
19	Mon 24 Jun - Sun 30 Jun	Topic Exam Review	Topic Exam Review
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Probability I	The Addition Rule
22	Mon 29 Jul - Sun 4 Aug	Probability II	The Product Rule & Multiple Selections
23	Mon 5 Aug - Sun 11 Aug	Probability III	Conditional Probability
24	Mon 12 Aug - Sun 18 Aug	Yearly Exam Preparation I	Yearly Exam Preparation I
25	Mon 19 Aug - Sun 25 Aug	Yearly Exam Preparation II	Yearly Exam Preparation II
26	Mon 26 Aug - Sun 1 Sep	Yearly Exam Preparation III	Yearly Exam Preparation III
27	Mon 2 Sep - Sun 8 Sep	Yearly Exam Preparation IV	Yearly Exam Preparation IV
28	Mon 9 Sep - Sun 15 Sep	Discrete Prob Distributions I	Random Variables & Cumulative Distribution Functions
29	Mon 16 Sep - Sun 22 Sep	Discrete Prob Distributions II	Expected Value, Variance & Standard Deviation

# SCHEDULE

## Preliminary Maths Extension 1 (PMX)

Week	Dates	Topic	Description
31	Mon 9 Oct - Sun 15 Oct	Algebra	Indices, Expansion, Factorisation, Fractions
32	Mon 16 Oct - Sun 22 Oct	Functions & Relations I	Introduction
33	Mon 23 Oct - Sun 29 Oct	Functions & Relations II	Sketching Graphs
34	Mon 30 Oct - Sun 5 Nov	Functions & Relations III	Graph Transformations
35	Mon 6 Nov - Sun 12 Nov	Functions & Relations IV	Graphing Polynomials & Problem Solving
36	Mon 13 Nov - Sun 19 Nov	Trigonometry I	Ratios & Angles
37	Mon 20 Nov - Sun 26 Nov	Trigonometry II	Trigonometric Identities & Equations
38	Mon 27 Nov - Sun 3 Dec	Trigonometry III	Sine & Cosine Rules, Real-life Applications
39	Mon 4 Dec - Sun 10 Dec	Gradient & Linear Equations	Gradients & Equations of Lines
January Holidays			
1	Mon 29 Jan - Sun 4 Feb	Differentiation I	Differentiation from First Principles
2	Mon 5 Feb - Sun 11 Feb	Differentiation II	The Chain Rule
3	Mon 12 Feb - Sun 18 Feb	Differentiation III	The Product & The Quotient Rule
4	Mon 19 Feb - Sun 25 Feb	Rates and Motion	Rates of change, Motion in a straight line
5	Mon 26 Feb - Sun 3 Mar	Exp & Log Functions I	Exp Equations & Logarithms
6	Mon 4 Mar - Sun 10 Mar	Exp & Log Functions II	The Log Laws & Applications of Logarithms
7	Mon 11 Mar - Sun 17 Mar	Exp & Log Functions III	Exponentials, Population Growth & Decay
8	Mon 18 Mar - Sun 24 Mar	Trig in Radians I	Radian Measure, Graphing Trig Functions
9	Mon 25 Mar - Sun 31 Mar	Trig in Radians II	Arc Lengths, Sectors, Segments
April Holidays			
11	Mon 29 Apr - Sun 5 May	Probability I	Introduction, The Addition & The Product Rule
12	Mon 6 May - Sun 12 May	Probability II	Conditional Probability
13	Mon 13 May - Sun 19 May	Discrete Probability Distributions	Random Variables
14	Mon 20 May - Sun 26 May	Further Functions I	Graphical Relationships
15	Mon 27 May - Sun 2 Jun	Further Functions II	Solving Inequalities
16	Mon 3 Jun - Sun 9 Jun	Further Functions III	Inverse Relations & Functions
17	Mon 10 Jun - Sun 16 Jun	Polynomials I	Sketching Graphs, Polynomial Divisions & Theorems
18	Mon 17 Jun - Sun 23 Jun	Polynomials II	Quadratic & Cubic, Roots & Coefficients, Multiple Zero Theorem
19	Mon 24 Jun - Sun 30 Jun	Combinatorics I	Permutations
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Combinatorics II	Combinations, The Pigeonhole Principle
22	Mon 29 Jul - Sun 4 Aug	Inverse Trig Functions	Properties of Inverse Trig Functions
23	Mon 5 Aug - Sun 11 Aug	Further Trig Identities	The Compound & Double Angle Identities
24	Mon 12 Aug - Sun 18 Aug	Yearly Exam Preparation I	Yearly Exam Preparation I
25	Mon 19 Aug - Sun 25 Aug	Yearly Exam Preparation II	Yearly Exam Preparation II
26	Mon 26 Aug - Sun 1 Sep	Yearly Exam Preparation III	Yearly Exam Preparation III
27	Mon 2 Sep - Sun 8 Sep	Binomial Theorem	Binomial Theorem
28	Mon 9 Sep - Sun 15 Sep	Exp Growth & Decay	Natural & Modified Growth and Decay
29	Mon 16 Sep - Sun 22 Sep	Related Rates of Change	Using the Chain Rule

# SCHEDULE

## Preliminary Maths Extension Accelerated (PMX-A)

Week	Dates	Topic	Description
31	Mon 9 Oct - Sun 15 Oct	Gradient & Linear Equations	Gradients & Equations of Lines
32	Mon 16 Oct - Sun 22 Oct	Differentiation I	First Principle
33	Mon 23 Oct - Sun 29 Oct	Differentiation II	The Chain Rule
34	Mon 30 Oct - Sun 5 Nov	Differentiation III	The Product & The Quotient Rule
35	Mon 6 Nov - Sun 12 Nov	Rates and Motion	Rates of change, Motion in a straight line
36	Mon 13 Nov - Sun 19 Nov	Exp & Log Functions I	Exp Equations & Logarithms
37	Mon 20 Nov - Sun 26 Nov	Exp & Log Functions II	Log Laws & Applications of Logarithms
38	Mon 27 Nov - Sun 3 Dec	Exp & Log Functions III	Exponentials with base e
39	Mon 4 Dec - Sun 10 Dec	Topic Exam Review	Topic Exam Review
January Holidays			
1	Mon 29 Jan - Sun 4 Feb	Trig in Radians I	Radian Measure, Graphing Trig Functions
2	Mon 5 Feb - Sun 11 Feb	Trig in Radians II	Arc Lengths, Sectors, Segments
3	Mon 12 Feb - Sun 18 Feb	Probability I	Introduction, The Addition & The Product Rule
4	Mon 19 Feb - Sun 25 Feb	Probability II	Conditional Probability
5	Mon 26 Feb - Sun 3 Mar	Discrete Probability Distributions	Random Variables
6	Mon 4 Mar - Sun 10 Mar	Further Functions I	Graphical Relationships
7	Mon 11 Mar - Sun 17 Mar	Further Functions II	Solving Inequalities
8	Mon 18 Mar - Sun 24 Mar	Further Functions III	Inverse Relations & Functions
9	Mon 25 Mar - Sun 31 Mar	Topic Exam Review	Topic Exam Review
April Holidays			
11	Mon 29 Apr - Sun 5 May	Polynomials I	Sketching Graphs, Polynomial Divisions, Theorems
12	Mon 6 May - Sun 12 May	Polynomials II	Quadratic & Cubic, Roots & Coefficients, Multiple Zeros Theorem
13	Mon 13 May - Sun 19 May	Combinatorics I	Permutations
14	Mon 20 May - Sun 26 May	Combinatorics II	Combinations, The Pigeonhole Principle
15	Mon 27 May - Sun 2 Jun	Inverse Trig Functions	Properties of Inverse Trig Functions
16	Mon 3 Jun - Sun 9 Jun	Further Trig Identities	The Compound & Double Angle Identities
17	Mon 10 Jun - Sun 16 Jun	Binomial Theorem	Binomial Theorem
18	Mon 17 Jun - Sun 23 Jun	Exp Growth & Decay	Natural & Modified Growth and Decay
19	Mon 24 Jun - Sun 30 Jun	Related Rates of Change	Using the Chain Rule
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Sequences and Series I	Arithmetic
22	Mon 29 Jul - Sun 4 Aug	Sequences and Series II	Geometric
23	Mon 5 Aug - Sun 11 Aug	Mathematical Induction	Sum of Series, Divisibility
24	Mon 12 Aug - Sun 18 Aug	Differential Calculus I	Geometry of the First Derivative
25	Mon 19 Aug - Sun 25 Aug	Differential Calculus II	The Second Derivative, Curve Sketching
26	Mon 26 Aug - Sun 1 Sep	Differential Calculus III	Applications of Max & Min Values
27	Mon 2 Sep - Sun 8 Sep	Differential Calculus IV	Exponential Functions
28	Mon 9 Sep - Sun 15 Sep	Differential Calculus V	Differentiating Trigonometric Functions
29	Mon 16 Sep - Sun 22 Sep	Financial Mathematics	Financial Applications of Series

# SCHEDULE

## Preliminary Maths Standard (PMST)

Week	Dates	Topic	Description
31	Mon 9 Oct - Sun 15 Oct	Formulas & Equations I	Simplifying & Expanding Algebraic Expressions, Substituting Into Formulas
32	Mon 16 Oct - Sun 22 Oct	Formulas & Equations II	Solving Equations, Worded Problems & Changing the Subject of Formulas
33	Mon 23 Oct - Sun 29 Oct	Formulas & Equations III	Blood Alcohol Content & Accident Statistics
34	Mon 30 Oct - Sun 5 Nov	Formulas & Equations IV	Speed, Distance, Time & Stopping Distance
35	Mon 6 Nov - Sun 12 Nov	Applications of Measurement I	Metric Units & Error in Measurement
36	Mon 13 Nov - Sun 19 Nov	Applications of Measurement II	Significant Figures & Scientific Notation
37	Mon 20 Nov - Sun 26 Nov	Applications of Measurement III	Perimeters of Circular & Composite Shapes, Area & Trapezoidal Rule
38	Mon 27 Nov - Sun 3 Dec	Applications of Measurement IV	Volume & Surface Area of Prisms & Cylinders
39	Mon 4 Dec - Sun 10 Dec	Applications of Measurement V	Volume & Surface Area of Spheres & Composite Solids
January Holidays			
1	Mon 29 Jan - Sun 4 Feb	Linear Relationships I	Graphing Linear Functions, Gradient Formula & Linear Modelling
2	Mon 5 Feb - Sun 11 Feb	Linear Relationships II	Direct Linear Variation & Conversion Graphs
3	Mon 12 Feb - Sun 18 Feb	Money Matters I	Wages, Salaries, Overtime, Commission, Piecework & Royalties
4	Mon 19 Feb - Sun 25 Feb	Money Matters II	Bonuses, Allowances, Annual Leave Loading, Government Allowances & Pensions
5	Mon 26 Feb - Sun 3 Mar	Money Matters III	Gross Pay, Net Pay, Income Tax & Medicare Levy
6	Mon 4 Mar - Sun 10 Mar	Money Matters IV	PAYG, Tax Returns, GST & VAT
7	Mon 11 Mar - Sun 17 Mar	Money Matters V	Percentage Increase & Decrease, Simple Interest & Their Graphs
8	Mon 18 Mar - Sun 24 Mar	Money Matters VI	Compound Interest & Straight-Line Depreciation
9	Mon 25 Mar - Sun 31 Mar	Data Analysis I	Interpreting & Misleading Graphs
April Holidays			
11	Mon 29 Apr - Sun 5 May	Data Analysis II	Types of Data, Sampling Techniques & Constructing Graphs
12	Mon 6 May - Sun 12 May	Data Analysis III	Frequency Histograms, Polygons, Dot Plots, Stem-and-Leaf Plots
13	Mon 13 May - Sun 19 May	Data Analysis IV	Mean, Median, Mode, Quartiles, Deciles & Percentiles
14	Mon 20 May - Sun 26 May	Data Analysis V	Range, Interquartile Range & Outliers
15	Mon 27 May - Sun 2 Jun	Data Analysis VI	Cumulative Frequency Graphs & Box Plots
16	Mon 3 Jun - Sun 9 Jun	Data Analysis VII	Standard Deviation & Shape of a Distribution
17	Mon 10 Jun - Sun 16 Jun	Working With Time I	Latitude, Longitude & Time
18	Mon 17 Jun - Sun 23 Jun	Working With Time II	Timetables & International Time Zones
19	Mon 24 Jun - Sun 30 Jun	Money Matters VII	Water Usage, Water Tanks & Dams, Electricity Usage
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Money Matters VIII	Energy, Food & Energy Consumption, Household Budgeting
22	Mon 29 Jul - Sun 4 Aug	Money Matters IX	Car Insurance, Stamp Duty & On-Road Costs
23	Mon 5 Aug - Sun 11 Aug	Money Matters X	Running Costs, Fuel Consumption & Prices, Choosing the Best Car
24	Mon 12 Aug - Sun 18 Aug	Yearly Exam Preparation I	Yearly Exam Preparation I
25	Mon 19 Aug - Sun 25 Aug	Yearly Exam Preparation II	Yearly Exam Preparation II
26	Mon 26 Aug - Sun 1 Sep	Yearly Exam Preparation III	Yearly Exam Preparation III
27	Mon 2 Sep - Sun 8 Sep	Yearly Exam Preparation IV	Yearly Exam Preparation IV
28	Mon 9 Sep - Sun 15 Sep	Relative Frequency & Probability I	Simple Events, Tables, Tree Diagrams and Complementary Events
29	Mon 16 Sep - Sun 22 Sep	Relative Frequency & Probability II	Relative Frequency, Comparing Relative Frequency with Theoretical Probability & Probability Tree Diagrams

# SCHEDULE

## Preliminary Physics (PPHYS)

Week	Dates	Topic	Description
31	Mon 9 Oct - Sun 15 Oct	Kinematics I	Physical quantities, SI Units, Vectors & Scalars, Formulas
32	Mon 16 Oct - Sun 22 Oct	Kinematics II	Equations of Motion, Linear Motion
33	Mon 23 Oct - Sun 29 Oct	Kinematics III	Vector Arithmetic, Two-dimensional Motion
34	Mon 30 Oct - Sun 5 Nov	Kinematics IV	Relative Motion and Case Studies
35	Mon 6 Nov - Sun 12 Nov	Kinematics V	Mathematical analysis of motion, Harder motion problems
36	Mon 13 Nov - Sun 19 Nov	Kinematics: Practicals and Data Processing	Estimating acceleration of gravity
37	Mon 20 Nov - Sun 26 Nov	Dynamics I	Introduction to Forces, Newton's Laws
38	Mon 27 Nov - Sun 3 Dec	Kinematics Revision	Practice Questions
39	Mon 4 Dec - Sun 10 Dec	Topic Exam & Module Review	Kinematics
January Holidays			
1	Mon 29 Jan - Sun 4 Feb	Dynamics II	Net force, Force vectors in 1D and 2D
2	Mon 5 Feb - Sun 11 Feb	Dynamics III	Force applications on motion, Effects of friction
3	Mon 12 Feb - Sun 18 Feb	Dynamics IV	Energy, Work, Conservation of mechanical energy
4	Mon 19 Feb - Sun 25 Feb	Dynamics V	Power, Applications of energy conservation
5	Mon 26 Feb - Sun 3 Mar	Dynamics VI	Momentum, impulse, Conservation of momentum
6	Mon 4 Mar - Sun 10 Mar	Dynamics VII	Collisions
7	Mon 11 Mar - Sun 17 Mar	Assessment I Preparation	Revision Questions
8	Mon 18 Mar - Sun 24 Mar	Assessment I Preparation	Dynamics Exam Review
9	Mon 25 Mar - Sun 31 Mar	Dynamics VIII: Practicals & Data Processing	Including Plane experiment
April Holidays			
11	Mon 29 Apr - Sun 5 May	Waves & Thermodynamics I	Introduction to waves, wave terminology
12	Mon 6 May - Sun 12 May	Waves & Thermodynamics II	Wave superposition, Standing waves & resonance
13	Mon 13 May - Sun 19 May	Waves & Thermodynamics III	Sound wave properties
14	Mon 20 May - Sun 26 May	Waves & Thermodynamics IV	Beats, Doppler Effect, Sound wave harmonics
15	Mon 27 May - Sun 2 Jun	Waves & Thermodynamics V	Reflection & Refraction of light
16	Mon 3 Jun - Sun 9 Jun	Waves & Thermodynamics VI	Practical: Imaging, Mirror, Lenses and Dispersion
17	Mon 10 Jun - Sun 16 Jun	Waves & Thermodynamics VII	Thermodynamics
18	Mon 17 Jun - Sun 23 Jun	Assessment II Preparation	Module 3 Revision
19	Mon 24 Jun - Sun 30 Jun	Assessment II Preparation	Module 3 Exam Review
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Electricity & Magnetism I	Charges, Electrostatic forces
22	Mon 29 Jul - Sun 4 Aug	Electricity & Magnetism II	Electrical fields, Potential, Voltage
23	Mon 5 Aug - Sun 11 Aug	Electricity & Magnetism III	Current, Resistance, Circuit basics
24	Mon 12 Aug - Sun 18 Aug	Electricity & Magnetism IV	Circuits, Kirchhoff's Laws
25	Mon 19 Aug - Sun 25 Aug	Electricity & Magnetism V	Magnetism
26	Mon 26 Aug - Sun 1 Sep	Yearly Exam Preparation	Mod 4 Exam
27	Mon 2 Sep - Sun 8 Sep	Yearly Exam Preparation	James Ruse 2018 Yearly Paper
28	Mon 9 Sep - Sun 15 Sep	Introduction to Year 12 Physics I	Introduction to Year 12 Physics I
29	Mon 16 Sep - Sun 22 Sep	Introduction to Year 12 Physics II	Introduction to Year 12 Physics II

# SCHEDULE

## Preliminary Biology (PBIO)

Week	Dates	Topic	Description
31	Mon 9 Oct - Sun 15 Oct	Cells as the Basis of Life I	Cell Theory
32	Mon 16 Oct - Sun 22 Oct	Cells as the Basis of Life II	Observing Cells
33	Mon 23 Oct - Sun 29 Oct	Cells as the Basis of Life III	Exchange of Materials
34	Mon 30 Oct - Sun 5 Nov	Cells as the Basis of Life IV	Cell Requirements
35	Mon 6 Nov - Sun 12 Nov	Cells as the Basis of Life V	Cell Matter Requirements
36	Mon 13 Nov - Sun 19 Nov	Cells as the Basis of Life VI	Enzymes
37	Mon 20 Nov - Sun 26 Nov	Cells as the Basis of Life: Practicals & Data Processing	Introduction to Experimental Practice
38	Mon 27 Nov - Sun 3 Dec	Cells as the Basis of Life Revision	Practice Questions
39	Mon 4 Dec - Sun 10 Dec	Topic Exam & Module Review	Topic Exam & Module Review
January Holidays			
1	Mon 29 Jan - Sun 4 Feb	Organisation of Living Things I	Introduction to the Module
2	Mon 5 Feb - Sun 11 Feb	Organisation of Living Things II	Autotrophs and Heterotrophs
3	Mon 12 Feb - Sun 18 Feb	Organisation of Living Things III	Respiratory and Digestive Systems
4	Mon 19 Feb - Sun 25 Feb	Organisation of Living Things IV	Cardiovascular System
5	Mon 26 Feb - Sun 3 Mar	Organisation of Living Things V	Lymphatic System
6	Mon 4 Mar - Sun 10 Mar	Assessment I Preparation	Organisation of Living Things Revision
7	Mon 11 Mar - Sun 17 Mar	Assessment I Preparation	Organisation of Living Things Exam Review
8	Mon 18 Mar - Sun 24 Mar	Organisation of Living Things - Prac I	Practical Exercises
9	Mon 25 Mar - Sun 31 Mar	Organisation of Living Things - Prac II	Graphs, Photosynthesis, Calculations
April Holidays			
11	Mon 29 Apr - Sun 5 May	Biological Diversity I	Selection Pressures and Ecological Succession
12	Mon 6 May - Sun 12 May	Biological Diversity II	Adaptations
13	Mon 13 May - Sun 19 May	Biological Diversity III	Charles Darwin's Observations
14	Mon 20 May - Sun 26 May	Biological Diversity IV	Origin and Diversification of Life
15	Mon 27 May - Sun 2 Jun	Biological Diversity V	Evolution and Biodiversity
16	Mon 3 Jun - Sun 9 Jun	Biological Diversity VI	Evidence supporting Evolution by Natural Selection
17	Mon 10 Jun - Sun 16 Jun	Assessment II Preparation	Biological Diversity Revision
18	Mon 17 Jun - Sun 23 Jun	Ecosystem Dynamics I	Biotic/Abiotic Factors in an Ecosystem
19	Mon 24 Jun - Sun 30 Jun	Ecosystem Dynamics II	Effects of Changes in an Ecosystem
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Ecosystem Dynamics III	Environmental Resistance
22	Mon 29 Jul - Sun 4 Aug	Ecosystem Dynamics IV	Selection Pressures on Evolutionary Change in an Ecosystem
23	Mon 5 Aug - Sun 11 Aug	Ecosystem Dynamics V	Investigating Theory of Evolution in Ecosystems
24	Mon 12 Aug - Sun 18 Aug	Ecosystem Dynamics VI	Human Behaviours affecting Ecosystems
25	Mon 19 Aug - Sun 25 Aug	Yearly Exam Preparation	Mod 3 Exam
26	Mon 26 Aug - Sun 1 Sep	Yearly Exam Preparation	Mod 4 Exam
27	Mon 2 Sep - Sun 8 Sep	Yearly Exam Preparation	PLC Exam
28	Mon 9 Sep - Sun 15 Sep	Introduction to Year 12 Biology I	Introduction to Year 12 Biology I
29	Mon 16 Sep - Sun 22 Sep	Introduction to Year 12 Biology II	Introduction to Year 12 Biology II

# SCHEDULE

## Preliminary Chemistry (PCHEM)

Week	Dates	Topic	Description
31	Mon 9 Oct - Sun 15 Oct	Properties of Matter I	Introduction to the module
32	Mon 16 Oct - Sun 22 Oct	Properties of Matter II	Physical and Chemical Properties, Periodicity
33	Mon 23 Oct - Sun 29 Oct	Properties of Matter III	Bonding, Nomenclature and Lewis Dot Diagrams
34	Mon 30 Oct - Sun 5 Nov	Properties of Matter IV	Lewis Dot Diagrams, VSEPR Model, Polarity
35	Mon 6 Nov - Sun 12 Nov	Properties of Matter V	Metallic & Ionic Lattices, Covalent Molecular
36	Mon 13 Nov - Sun 19 Nov	Properties of Matter VI	Bohr's Model, Orbital Energy Diagrams
37	Mon 20 Nov - Sun 26 Nov	Properties of Matter VII	Diagonal Rule, Long form of Periodic Table
38	Mon 27 Nov - Sun 3 Dec	Properties of Matter VIII	Radioactivity
39	Mon 4 Dec - Sun 10 Dec	Topic Exam & Module Review	Topic Exam & Module Review
January Holidays			
1	Mon 29 Jan - Sun 4 Feb	Introduction to Quantitative Chemistry I	Balancing Chemical Equations, Mass and Mole
2	Mon 5 Feb - Sun 11 Feb	Introduction to Quantitative Chemistry II	Chemical Formulae, Molar Stoichiometry
3	Mon 12 Feb - Sun 18 Feb	Introduction to Quantitative Chemistry III	Concentration and Dilutions
4	Mon 19 Feb - Sun 25 Feb	Introduction to Quantitative Chemistry IV	Gas Laws
5	Mon 26 Feb - Sun 3 Mar	Introduction to Quantitative Chemistry V	Applications of Gas Laws, Ideal Gas Law
6	Mon 4 Mar - Sun 10 Mar	Introduction to Quantitative Chemistry VI	Relationship between Gas Laws
7	Mon 11 Mar - Sun 17 Mar	Assessment I Preparation	Revision Questions
8	Mon 18 Mar - Sun 24 Mar	Assessment I Preparation	Intro to Quantitative Chemistry Exam Review
9	Mon 25 Mar - Sun 31 Mar	Introduction to Quantitative Chemistry: Practicals & Data Processing	Introduction to Experimental Practice
April Holidays			
11	Mon 29 Apr - Sun 5 May	Reactive Chemistry I	Chemical Reactions and Equations
12	Mon 6 May - Sun 12 May	Reactive Chemistry II	Reactions between Acids and Bases, pH calculations
13	Mon 13 May - Sun 19 May	Reactive Chemistry III	Reactivity of Metals
14	Mon 20 May - Sun 26 May	Reactive Chemistry IV	Patterns in Metal Activity, Redox Chemistry
15	Mon 27 May - Sun 2 Jun	Reactive Chemistry V	Galvanic Cells, Standard Reduction Potentials
16	Mon 3 Jun - Sun 9 Jun	Reactive Chemistry VI	Collision Theory
17	Mon 10 Jun - Sun 16 Jun	Reactive Chemistry VII	Rate of Reactions
18	Mon 17 Jun - Sun 23 Jun	Drivers of Chemical Reactions I	Energy, Enthalpy, Thermodynamics
19	Mon 24 Jun - Sun 30 Jun	Drivers of Chemical Reactions II	Catalysts, Heat Energy & Capacity, Calorimetry
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Drivers of Chemical Reactions III	Determining $\Delta H$ for a Reaction and Bond Enthalpy
22	Mon 29 Jul - Sun 4 Aug	Drivers of Chemical Reactions IV	Hess's Law
23	Mon 5 Aug - Sun 11 Aug	Drivers of Chemical Reactions V	Entropy and the Second Law of Thermodynamics
24	Mon 12 Aug - Sun 18 Aug	Drivers of Chemical Reactions VI	Gibbs Free Energy
25	Mon 19 Aug - Sun 25 Aug	Yearly Exam Preparation	Mod 3 & 4 Exams
26	Mon 26 Aug - Sun 1 Sep	Yearly Exam Preparation	Yearly Exam I
27	Mon 2 Sep - Sun 8 Sep	Yearly Exam Preparation	Yearly Exam II
28	Mon 9 Sep - Sun 15 Sep	Introduction to Year 12 Chemistry	Introduction to Year 12 Chemistry
29	Mon 16 Sep - Sun 22 Sep	Introduction to Year 12 Chemistry	Introduction to Year 12 Chemistry



# SCHEDULE

## Preliminary Economics (PECO)

Week	Dates	Topic	Description
1	Mon 29 Jan - Sun 4 Feb	Introduction to Economics I	The Economic Problem, PPF & Choice
2	Mon 5 Feb - Sun 11 Feb	Introduction to Economics II	Equilibrium and Circular Flow of Income
3	Mon 12 Feb - Sun 18 Feb	Introduction to Economics III	Types of Economies and the Role of Government
4	Mon 19 Feb - Sun 25 Feb	Consumers & Business I	Role of Consumers
5	Mon 26 Feb - Sun 3 Mar	Consumers & Business II	Role of Business
6	Mon 4 Mar - Sun 10 Mar	Assessment I Preparation	Topic 1 & 2 Revision
7	Mon 11 Mar - Sun 17 Mar	Markets I	Demand and Price Elasticity
8	Mon 18 Mar - Sun 24 Mar	Markets II	Supply and Equilibrium
9	Mon 25 Mar - Sun 31 Mar	Markets III	Economic Skills Workshop
April Holidays			
11	Mon 29 Apr - Sun 5 May	Labour Markets I	Demand & Supply of Labour
12	Mon 6 May - Sun 12 May	Labour Markets II	The Australian Workforce
13	Mon 13 May - Sun 19 May	Labour Markets III	The Changing Labour Market
14	Mon 20 May - Sun 26 May	Financial Markets I	Financial Markets as Intermediaries
15	Mon 27 May - Sun 2 Jun	Financial Markets II	Role of Financial Markets and Regulators
16	Mon 3 Jun - Sun 9 Jun	Financial Markets III	Monetary Supply and Role of the RBA
17	Mon 10 Jun - Sun 16 Jun	Financial Markets IV	Monetary Policy
18	Mon 17 Jun - Sun 23 Jun	Assessment II Preparation - Topics 4 & 5	Assessment II Preparation - Topics 4 & 5
19	Mon 24 Jun - Sun 30 Jun	Essay Workshop	Essay Workshop
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Government in the Economy I	Market Failure and Externalities
22	Mon 29 Jul - Sun 4 Aug	Government in the Economy II	Role of Government
23	Mon 5 Aug - Sun 11 Aug	Government in the Economy III	Fiscal Policy & Federal Budget
24	Mon 12 Aug - Sun 18 Aug	Government in the Economy IV	Separation of Powers
25	Mon 19 Aug - Sun 25 Aug	Yearly Exam Preparation - Topic 1-3	Yearly Exam Preparation - Topic 1-3
26	Mon 26 Aug - Sun 1 Sep	Yearly Exam Preparation - Topic 4-6	Yearly Exam Preparation - Topic 4-6
27	Mon 2 Sep - Sun 8 Sep	Yearly Exam Preparation - Harder Practice Questions	Yearly Exam Preparation - Harder Practice Questions
28	Mon 9 Sep - Sun 15 Sep	Essay Writing Workshop II	Essay Writing Workshop II
29	Mon 16 Sep - Sun 22 Sep	Economic Skills Workshop II	Economic Skills Workshop II

# SCHEDULE

## Preliminary English Advanced (PENG)

Week	Dates	Topic	Description
31	Mon 9 Oct - Sun 15 Oct	Fundamentals of Advanced English I Common Mod - Reading to Write	Fundamentals of Advanced English I Common Mod - Reading to Write
32	Mon 16 Oct - Sun 22 Oct	Fundamentals of Advanced English II Common Mod - Reading to Write	Fundamentals of Advanced English II Common Mod - Reading to Write
33	Mon 23 Oct - Sun 29 Oct	Fundamentals of Advanced English III Mod B - Poetry	Fundamentals of Advanced English III Mod B - Poetry
34	Mon 30 Oct - Sun 5 Nov	Fundamentals of Advanced English IV Mod B - Prose Fiction	Fundamentals of Advanced English IV Mod B - Prose Fiction
35	Mon 6 Nov - Sun 12 Nov	Fundamentals of Advanced English V Mod B - Macbeth	Fundamentals of Advanced English V Mod B - Macbeth
36	Mon 13 Nov - Sun 19 Nov	Fundamentals of Advanced English VI Mod B - Speeches	Fundamentals of Advanced English VI Mod B - Speeches
37	Mon 20 Nov - Sun 26 Nov	Fundamentals of Advanced English VII Mod A - Narratives	Fundamentals of Advanced English VII Mod A - Narratives
38	Mon 27 Nov - Sun 3 Dec	Fundamentals of Advanced English VIII Mod A - Narratives	Fundamentals of Advanced English VIII Mod A - Narratives
39	Mon 4 Dec - Sun 10 Dec	Topic Exam Review	Topic Exam Review
January Holidays			
1	Mon 29 Jan - Sun 4 Feb	Common Module: Reading to Write I	Introduction to Common Module
2	Mon 5 Feb - Sun 11 Feb	Common Module: Reading to Write II	Tools of Reading and Writing: Prose Fiction
3	Mon 12 Feb - Sun 18 Feb	Common Module: Reading to Write III	Tools of Reading and Writing: Poetry
4	Mon 19 Feb - Sun 25 Feb	Common Module: Reading to Write IV	Tools of Reading and Writing: Poetry in Context
5	Mon 26 Feb - Sun 3 Mar	Common Module: Reading to Write V	Tools of Reading and Writing: Descriptive Writing
6	Mon 4 Mar - Sun 10 Mar	Common Module: Reading to Write VI	Tools of Reading and Writing: Short Story/Narratives
7	Mon 11 Mar - Sun 17 Mar	Common Module: Reading to Write VII	Tools of Reading and Writing: Persuasive Writing
8	Mon 18 Mar - Sun 24 Mar	Common Module: Reading to Write VIII	Tools of Reading and Writing: Discursive Writing
9	Mon 25 Mar - Sun 31 Mar	Topic Exam Review and Module Review	Topic Exam Review and Module Review
April Holidays			
11	Mon 29 Apr - Sun 5 May	Module A: Narratives That Shape our World I	Introduction to Module A
12	Mon 6 May - Sun 12 May	Module A: Narratives That Shape our World II	Sharing collective or individual experiences I
13	Mon 13 May - Sun 19 May	Module A: Narratives That Shape our World III	Sharing collective or individual experiences II
14	Mon 20 May - Sun 26 May	Module A: Narratives That Shape our World IV	Narratives that inspire change
15	Mon 27 May - Sun 2 Jun	Module A: Narratives That Shape our World V	Shaping perspective
16	Mon 3 Jun - Sun 9 Jun	Module A: Narratives That Shape our World VI	Appropriation
17	Mon 10 Jun - Sun 16 Jun	Module A: Narratives That Shape our World VII	Preparation for exam
18	Mon 17 Jun - Sun 23 Jun	Module A: Narratives That Shape our World VIII	Preparation for exam
19	Mon 24 Jun - Sun 30 Jun	Topic Exam Review and Module Review	Topic Exam Review and Module Review
July Holidays			
21	Mon 22 Jul - Sun 28 Jul	Module B: Critical Study of Literature I	Poetry
22	Mon 29 Jul - Sun 4 Aug	Module B: Critical Study of Literature II	Poetry in Context
23	Mon 5 Aug - Sun 11 Aug	Module B: Critical Study of Literature III	Prose: Comparative Study
24	Mon 12 Aug - Sun 18 Aug	Module B: Critical Study of Literature IV	Film
25	Mon 19 Aug - Sun 25 Aug	Module B: Critical Study of Literature V	Shakespearean Drama
26	Mon 26 Aug - Sun 1 Sep	Module B: Critical Study of Literature VI	Intertextuality
27	Mon 2 Sep - Sun 8 Sep	Module B: Critical Study of Literature VII	Short Answer Response
28	Mon 9 Sep - Sun 15 Sep	Module B: Critical Study of Literature VIII	Essay Writing
29	Mon 16 Sep - Sun 22 Sep	Topic Exam Review and Module Review	Topic Exam Review and Module Review

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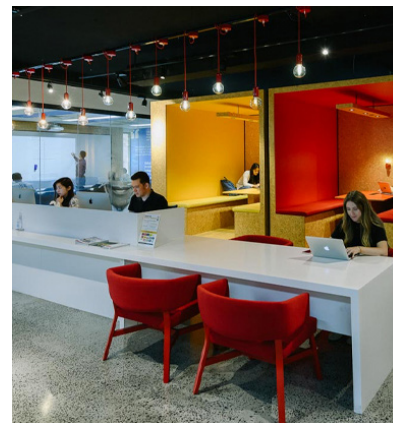
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