The Apple International School
Managed By LEAMS EDUCATION

Year 9

English	Reading: Unseen Prose and Poem Grammar: Types of sentences (simple, complex and compound) Tenses Writing: Formal letter, Character description
Math	• Numbers: Fractions, Percentage, Decimals, Prime Numbers • Algebra: Simplifying and solving linear equations, Indices • Geometry: Co-ordinate geometry, Circles, Properties of Angles, Shapes, and Angles • Statistics: Mean, Median, Mode, Probability: Calculating Probability, probability Scale
Science	1) Respiration • The human respiratory system • Gas exchange • Breathing • Respiration. 2) Properties of materials • Dissolving • Solutions and solubility • Planning a solubility investigation. • Paper chromatography. 3) Forces and energy • Forces and motion • Speed • Describing movement. • Turning forces. • Pressure between solids • Pressure in liquids and gases • Particles on the move

YEAR 10

English	Reading —comprehension, matching the text with information, taking notes, Writing: Email writing and Review writing
English Literature	Report To Wordsworth Sonnet 18 Where I Come From Prose: The Man who walked the moon Nick
Math	Numbers: Working with Fractions, Decimals, Significant figures, Order of Operations, Ratio and Proportions, Prime Numbers Algebra: Simplifying and solving linear equations Expanding Brackets, Indices, Inequalities, Simplifying Algebraic Fractions Geometry: Pythagoras Theorem, Area, Properties of Angles, Shapes Statistics: Mean, Median, Mode, Handling Data: Sets Notations and Venn Diagram, Presenting Data
Physics	• Density, Heat and Temperature • Conservation of Energy • Moving from hot to cold. • Ways of transferring thermal energy. • Cooling by evaporation • Electricity • Electrical Circuits
Chemistry	• Periodic table • Reactivity series • Chemical equations • Atomic Structure
Biology	• Photosynthesis • More about photosynthesis • The carbon cycle • Climate change • Excretion in humans

YEAR 11

English	Reading —comprehension, matching the text with information, taking notes, Writing: Email writing and Article writing
First Language English	Reading —comprehension, Summary writing Writing: Descriptive or narrative writing
English Literature	A Midsummer Night's dream Antony & Cleopatra
Math	Numbers: Prime Numbers, Working with Fractions, Prime Numbers, LCM and HCF, Percentage, Order of Operations Algebra: Simplifying and solving linear equations, Expanding Brackets, Indices, Simultaneous Equations, Inequalities Geometry: Area, Properties of Angles, Polygons, Shapes Statistics: Mean, Median, Mode, Handling Data: Scatter Graphs and Correlations, Stem and Leaf Diagram, Frequency Tables Probability: Calculating Probability
Physics	1. Motion, forces and energy • Physical quantities and measurement techniques • Motion • Forces • Effects of forces • Turning effect of forces • Centre of gravity • Energy, Work and Power • Energy resources • Pressure 2. Thermal Physics • Kinetic particle model of matter • Particle model • Gases and the absolute scale of temperature • Conduction • Convection • Radiation 3. Waves • General properties of waves • Light • Reflection of light • Refraction of light • Dispersion of light • Electromagnetic spectrum • Sound
Chemistry	1. State of Matter • Solids, liquids, and gases • Diffusion

	2. Atoms, Elements and Compounds • Elements, compounds, and mixtures • Atomic structure and the periodic table • Isotopes • Ions and ionic bonds • Simple molecules and covalent bonds • Giant covalent structures • Metallic bonding 3. The Periodic Table • Arrangement of Elements • Group 1 Properties • Group VII Properties • Transition Elements • Noble Gas
Biology	1) Organisation of the organism • Cell structure • Size of specimens 2) Movement into and out of cells • Diffusion • Osmosis • Active transport 3) Biological molecules • Biological molecules 4) Enzymes • Enzymes 5) Photosynthesis • Photosynthesis • Leaf structure 6) Human nutrition • Diet • Digestive system • Physical digestion • Chemical digestion • Absorption
Economics	• Basic economic problems • Demand and Supply • Production possibility curve • Price elasticity
Accounting	• Introduction to Accounting • Double Entry Bookkeeping - Part A • The Trial Balance • Double Entry Bookkeeping - Part B • Petty Cash Books • Business Documents

	• Books of Prime Entry • Financial Statements - Part A • Financial Statements - Part B- • Accounting Rules • Other Payables and Other Receivables • Depreciation and Disposal of Non-Current Assets • Bad Debts and Provisions for Doubtful Debts • Bank Reconciliation Statements • Journal Entries and Correction of Errors • Control Accounts
Business studies	• Concept of business • Factors of production • Sectors and Types of business organizations • Growth of business • Mixed economy and Value Added
Sociology	• Theory and methods • Culture, identity and Socialization • Social inequality

YEAR 12

Physics	1. Motion, forces and energy • Physical quantities and measurement techniques • Motion • Forces • Energy, Work and Power • Pressure 2. Thermal Physics • Kinetic particle model of matter • Transfer of thermal energy • Thermal properties and temperature • Specific heat capacity • Melting, boiling and evaporation 3. Waves • General properties of waves • Light • Electromagnetic spectrum • Sound • Thin lenses 4. Electricity and Magnetism • Simple phenomena of magnetism • Electrical quantities • Electric circuits • Electromagnetic effects • Electromagnetic induction 5. Nuclear physics • The nuclear model of the atom. • Radioactivity
Chemistry	1) States of matter • Solids, liquids and gases • Diffusion 2) Atoms, elements and compounds • Elements, compounds and mixtures • Atomic structure and the Periodic Table • Isotopes • Ions and ionic bonds • Simple molecules and covalent bonds • Giant covalent structures • Metallic bonding 3) The Periodic Table • Arrangement of elements• Group I properties • Group VII properties • Transition elements • Noble gases 4) Experimental techniques and chemical analysis • Experimental design • Chromatography • Separation and purification 5) Chemical energetics • Exothermic and endothermic reactions 6) Chemical reactions • Physical and chemical changes• Rate of reaction • Reversible reactions and equilibrium • Redox 7) Metals • Properties of metals • Uses of metals • Alloys and their properties • Reactivity series • Corrosion of metals • Extraction of metals
Biology	1) Characteristics and classification of living organisms • Dichotomous keys• Features of organisms 2) Organisation of the organism • Cell structure• Size of specimens 3) Movement into and out of cells • Diffusion• Osmosis• Active transport 4) Biological molecules 5) Enzymes 6) Photosynthesis • Photosynthesis• Leaf structure 7) Human nutrition

	• Diet• Digestive system 8) Transport in plants • Xylem and phloem• Transpiration• Translocation 9) Transport in animals • Circulatory systems• Heart• Blood vessels 10) Diseases and immunity 11) Gas exchange in humans 12) Respiration • Respiration• Aerobic respiration• Anaerobic respiration 13) Excretion in humans
Economics	• Govt: macroeconomic policies • Elasticity of Demand and Supply. • Standard of living • Balance of payments • Exchange rate • Inflation • Employment and unemployment • International trade.
Accounting	Part I The accounting system • Double-entry bookkeeping: cash transactions • Double-entry bookkeeping: credit transactions • Books of prime entry • Balancing accounts • The classification of accounts and division of the ledger • The trial balance Part II Financial accounting • Income statements for sole traders • Statements of financial position for sole traders • Accounting principles or concepts • Accruals and prepayments (the matching concept) • Provisions for the depreciation of non-current assets} • Irrecoverable and doubtful debts A • Bank reconciliation statements • Control accounts • Suspense accounts, • Incomplete records
Business studies	• Business costs • Production methods • Operations planning • Economies of scale & Diseconomies of scale • Break even analysis

Psychology	• Development (Section A) • Memory (Section B) • Psychological problems (Section C) • Perception (Section D)
English Language	Directed writing Comparative response Text Analysis
Math	Numbers: Arithmetic Sequence, Simplifying arithmetic expressions, Sets, Ratio, Percentages Algebra: Simplifying and solving linear equations, Indices, Quadratic Equations, Graphing linear and quadratic equations, inequalities, and their graphs Geometry: Co-ordinate geometry, Circles, Properties of Angles, Transformations, Symmetry, Bearing, Trigonometry, Mensuration Statistics: Mean, Median, Mode, Charts Probability: Calculating probabilities of Independent and dependent, Types of events, Tree diagram

YEAR 13

English	Language Analysis Child Language Acquisition
Math	• Algebraic expressions • Quadratics • Equations and Inequalities • Graphs and Transformations • Straight line graphs • Trigonometric Ratios • Radians • Differentiation • Integration