



SUNSHINE WORLDWIDE SECONDARY SCHOOL

CLASS 12 SYLLABUS FOR HALF YEARLY 2022

SUBJECT	SYLLABUS
English	<p>Prose:</p> <ol style="list-style-type: none">1. I sell My dreams2. Eveline <p>Poetry:</p> <ol style="list-style-type: none">1. A Lecture Upon the Shadow2. Poems by Milton3. Poems by Blake4. Kubla Khan <p>Essay:</p> <ol style="list-style-type: none">1. Freedom2. Mark on the wall3. Film-making <p>Play: Chandlika by Rabindranath Tagore.</p> <p>Novel: Financial Expert.</p> <p>Writing - Discursive and Interpretive writing – Essay, Speech, Critical Review.</p> <p>Grammar – Integrated Gramar.</p>
Physics	<p>Unit I: Electrostatics</p> <p>Chapter–1: Electric Charges and Fields</p> <p>Chapter–2: Electrostatic Potential and Capacitance</p> <p>Unit II: Current Electricity</p> <p>Chapter–3: Current Electricity</p>

	<p>Unit III: Magnetic Effects of Current and Magnetism Chapter–4: Moving Charges and Magnetism Chapter–5: Magnetism and Matter</p> <p>Unit IV: Electromagnetic Induction and Alternating Currents Chapter–6: Electromagnetic Induction</p> <p>Practicals (30 Marks)</p>
Chemistry	<p>Theory : 70 marks</p> <p>Unit II: Solutions Unit III: Electrochemistry Unit IV: Chemical Kinetics Unit VIII: d -and f -Block Elements Unit IX: Coordination Compounds</p> <p>Practicals: 30 marks</p> <p>Determination of concentration/ molarity of KMnO_4 solution by titrating it against a standard solution of:</p> <p>(a) Oxalic acid (b) Ferrous Ammonium Sulphate</p>
Biology	<p>Theory (70 Marks)</p> <p>Unit-VI Reproduction Chapter 2: Sexual Reproduction in Flowering Plants Chapter 3: Human Reproduction Chapter 4: Reproductive Health</p> <p>Unit-VII Genetics and Evolution Chapter 5 : Principles of Inheritance and Variation Chapter 6 : Molecular Basis of Inheritance Chapter 7 : Evolution</p> <p>Practicals (30 Marks)</p> <p>Experiments + Practical Record +First Draft of Investigatory Project+ Viva Voce</p>

Mathematics	1.Relation and function 2.Inverse trigonometric function 3.Matrix 4.Determinant 5.Continuity and differentiability 6.Application of derivative
Applied Mathematics	Unit 1 : Numbers, Quantification and Numerical Applications Unit 2 : Algebra Unit 3 : Calculus Unit 4 : Inferential Statistics *ONLY those topics covered in class till 10 th September, 2022
Psychology	Theory (70 marks) Chapter 1. variations in psychological attributes Chapter 2. self and personality Chapter 3. meeting life challenges Chapter 4. psychological disorders Practical(30 marks)
Computer Science	Unit I: Computational Thinking and Programming – 2 <ul style="list-style-type: none"> ❖ Revision of Python topics covered in Class XI ❖ Functions ❖ Introduction to files- Text File, Binary File and CSV file ❖ Data Structure: Stack, operations on stack (push & pop), implementation of stack using list. Unit II: Computer Networks <ul style="list-style-type: none"> ❖ Evolution of Networking ❖ Data communication terminologies ❖ Transmission Media ❖ Network Devices ❖ Network Topologies and Network types ❖ Network Protocols ❖ Introduction to Web Services ❖ Diagram Based Questions

	<p>Unit III: Database Management</p> <ul style="list-style-type: none"> ❖ Database Concepts ❖ Relational Data Model
Mass Media Studies	<p>I. Theory (60 marks)</p> <p>1. Skill Subject (50 marks)-</p> <p>A) Unit 1 – Advertising concepts and process – Advertising concepts and process, functions of advertising, types of advertising, forms of advertising.</p> <p>B) Unit 2 – Introduction to the production process – films, tv, print, radio, internet.</p> <p>2. Employability skill (10 marks)-</p> <p>A) Unit 2 – Self-management skills</p> <p>B) Unit 3 – Entrepreneurial skills</p> <p>II. Portfolio and viva (40 marks)</p>
Entrepreneurship	<p>Theory 70</p> <p>Unit 1: Entrepreneurial Opportunities</p> <p>Unit 2: Enterprise Planning</p> <p>Unit 3: Enterprise Marketing</p> <p>Practical (30) - Market Survey.</p>
Business Studies	<p>Part I – Principles & Functions of Management</p> <p>Chapter 1 – Nature & Significance of Management</p> <p>Chapter 2 – Principles of Management</p> <p>Chapter 3 – Business Environment</p> <p>Chapter 4 – Planning</p>

	<p>Chapter 5 – Organizing</p> <p>Chapter 6 – Staffing</p> <p>Chapter 7 – Directing</p> <p>Chapter 8 – Controlling</p>
Accountancy	<p>1. Accounting For Partnership Firms –</p> <ul style="list-style-type: none"> • Fundamental • Change In Profit Sharing ratio • Admission Of Partner Chapter <p>2. Company Accounts – Accounting For Shares</p> <p>3. Part B</p> <ul style="list-style-type: none"> • Financial Statement Analysis • Accounting Ratios • Cash Flow Statement
Economics	<p>Part A: Macroeconomics</p> <p>Unit 1: National Income and Related Aggregates</p> <p>Chapter 1: Introduction to Macroeconomics</p> <p>Chapter 2: Some Basic Concepts of Macroeconomics</p> <p>Chapter 3: Aggregates of National Income</p> <p>Chapter 4: Measurement of National Income</p> <p>Unit 2: Money And Banking</p> <p>Chapter 5: Money and Supply of Money</p> <p>Chapter 6: Banking : Commercial banks and Central Bank And Its functions</p> <p>Part B: Indian Economic Development</p> <p>Unit 1: Development Policies and experiences (1947- 1990)</p> <p>Chapter 1: Development experience (1947 – 90)</p> <p>Chapter 2: Indian Economy (1950 – 1990)</p> <p>Unit 2: Economic Reforms since 1991</p>

	<p>Chapter 3: Liberalisation, Privatisation and Globalisation : An appraisal</p> <p>Unit 3: Current Challenges facing Indian Economy</p> <p>Chapter 5: Human Capital Formation In India</p> <p>Chapter 6: Rural Development</p> <p>Part C : Project (20)</p>
Home Science	<p>Theory :</p> <p>UNIT I:Work,livelihood and Career</p> <p>Ch. Work, livelihood and Career</p> <p>UNIT II: Nutrition, Food Science and Technology</p> <p>Ch. Clinical Nutrition and Dietetics</p> <p>Ch. Public Nutrition and Health</p> <p>Ch. Catering and Food Service Management</p> <p>Ch. Food Processing and Technology</p> <p>Ch. Food Quality and Food Safety</p> <p>UNIT III: Human Development and Family Studies</p> <p>Ch. Early Childhood Care and Education</p> <p>Ch. Special Education and Support Services</p> <p>Ch. Management of Support Services, Institutions and Programmes for Children, Youth and Elderly</p> <p>Practicals:</p>

	<p>UNIT II NUTRITION, FOOD SCIENCE AND TECHNOLOGY</p> <ol style="list-style-type: none"> 1. Modification of normal diet to soft diet for elderly person. 2. Development and preparation of supplementary foods for nutrition programme. 3. Planning a menu for a school canteen or mid-day meal in school for a week. 4. Design, prepare and evaluate a processed food product. 5. Qualitative test for food adulteration in: pure ghee, tea leaves, whole black pepper, turmeric powder, milk, asafoetida. <p>UNIT III HUMAN DEVELOPMENT AND FAMILY STUDIES</p> <ol style="list-style-type: none"> 6. Preparation and use of any one teaching aid to communicate socially relevant messages for children/ adolescents /adults in the community. <p>OR</p> <p>Preparation of any one toy for children (age appropriate) using locally available and indigenous material</p>
Commercial Arts	<p>Theory</p> <ol style="list-style-type: none"> 1. Six limbs of painting 2. Rajasthani School of Miniature painting 3. Pahari School of Miniature painting 4. Mughal School of Miniature painting 5. Deccan School of Miniature painting <p>Practicals</p> <p>Poster design (3 hrs)</p> <p>Illustration (3 hrs)</p>