



**SUNSHINE WORLDWIDE SECONDARY SCHOOL**

**CLASS 12 SYLLABUS FOR HALF YEARLY 2022**

SUBJECT	SYLLABUS
English	<p>Prose:</p> <ol style="list-style-type: none"> <li>1. I sell My dreams</li> <li>2. Eveline</li> </ol> <p>Poetry:</p> <ol style="list-style-type: none"> <li>1. A Lecture Upon the Shadow</li> <li>2. Poems by Milton</li> <li>3. Poems by Blake</li> <li>4. Kubla Khan</li> </ol> <p>Essay:</p> <ol style="list-style-type: none"> <li>1. Freedom</li> <li>2. Mark on the wall</li> <li>3. Film-making</li> </ol> <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><b>Unit I: Electrostatics</b></p> <p>Chapter–1: Electric Charges and Fields</p> <p>Chapter–2: Electrostatic Potential and Capacitance</p> <p><b>Unit II: Current Electricity</b></p> <p>Chapter–3: Current Electricity</p>

	<p><b>Unit III: Magnetic Effects of Current and Magnetism</b>  Chapter–4: Moving Charges and Magnetism  Chapter–5: Magnetism and Matter  <b>Unit IV: Electromagnetic Induction and Alternating Currents</b>  Chapter–6: Electromagnetic Induction</p> <p><b>Practicals (30 Marks)</b></p>
Chemistry	<p><b><u>Theory</u> : 70 marks</b>  Unit II: Solutions  Unit III: Electrochemistry  Unit IV: Chemical Kinetics  Unit VIII: d -and f -Block Elements  Unit IX: Coordination Compounds  <b><u>Practicals: 30 marks</u></b>  Determination of concentration/ molarity of <math>\text{KMnO}_4</math> solution by titrating it against a standard solution of:  (a) Oxalic acid  (b) Ferrous Ammonium Sulphate</p>
Biology	<p><b>Theory (70 Marks)</b></p> <p><b>Unit-VI Reproduction</b>  Chapter 2: Sexual Reproduction in Flowering Plants  Chapter 3: Human Reproduction  Chapter 4: Reproductive Health</p> <p><b>Unit-VII Genetics and Evolution</b>  Chapter 5 : Principles of Inheritance and Variation  Chapter 6 : Molecular Basis of Inheritance  Chapter 7 : Evolution</p> <p><b>Practicals (30 Marks)</b></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 <sup>th</sup> 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	<b>Unit I: Computational Thinking and Programming – 2</b> <ul style="list-style-type: none"> <li>❖ Revision of Python topics covered in Class XI</li> <li>❖ Functions</li> <li>❖ Introduction to files- Text File, Binary File and CSV file</li> <li>❖ Data Structure: Stack, operations on stack (push &amp; pop), implementation of stack using list.</li> </ul> <b>Unit II: Computer Networks</b> <ul style="list-style-type: none"> <li>❖ Evolution of Networking</li> <li>❖ Data communication terminologies</li> <li>❖ Transmission Media</li> <li>❖ Network Devices</li> <li>❖ Network Topologies and Network types</li> <li>❖ Network Protocols</li> <li>❖ Introduction to Web Services</li> <li>❖ Diagram Based Questions</li> </ul>

	<b>Unit III: Database Management</b> ❖ Database Concepts ❖ Relational Data Model
Mass Media Studies	I. Theory (60 marks)  1. Skill Subject (50 marks)- A) Unit 1 – Advertising concepts and process – Advertising concepts and process, functions of advertising, types of advertising, forms of advertising. B) Unit 2 – Introduction to the production process – films, tv, print, radio, internet.  2. Employability skill (10 marks)- A) Unit 2 – Self-management skills B) Unit 3 – Entrepreneurial skills  II. Portfolio and viva (40 marks)
Entrepreneurship	<b>Theory 70</b>  <b>Unit 1: Entrepreneurial Opportunities</b> <b>Unit 2: Enterprise Planning</b> <b>Unit 3: Enterprise Marketing</b>  <b>Practical (30 ) - Market Survey.</b>
Business Studies	<b>Part I – Principles &amp; Functions of Management</b>  Chapter 1 – Nature & Significance of Management  Chapter 2 – Principles of Management  Chapter 3 – Business Environment  Chapter 4 – Planning

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

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