

**OPG WORLD SCHOOL (2020-21)**

**CLASS XI**

**SYLLABUS BREAK-UP**

<b>S.No</b>	<b>Subject</b>	<b>Syllabus</b>
1.	English	<p><b>Snapshots</b></p> <ol style="list-style-type: none"> <li>1. The summer of the Beautiful White Horse</li> <li>2. The Address</li> <li>3. Ranga’s Marriage</li> <li>4. Albert Einstein at school</li> <li>5. Mother’s Day</li> <li>6. The Ghat of the only World</li> <li>7. Birth</li> <li>8. The Tale of Melon City</li> </ol> <p><b>Hornbill</b></p> <ol style="list-style-type: none"> <li>1. The Potrait of a Lady The Photograph</li> <li>2. We’re Not afraid to Die. if We Can All Be Together</li> <li>3. Discovering Tut: The Saga Continues The Laburnum Top</li> <li>4. Landscape of the soul The Voice of the Rain</li> <li>5. The Ailing Planet: The Green Movement’s Role</li> <li>6. The Browning Version Childhood</li> <li>7. The Adventure</li> <li>8. Silk Road Father to Son</li> </ol> <p><b>Writing</b></p> <ol style="list-style-type: none"> <li>1. Notice writing</li> <li>2. Advertisement</li> <li>3. Poster making</li> <li>4. Formal letter writing (Enquiry, complaint, business, placing an order, editor, asking for and giving information, Job Application, Principal, institutions etc.)</li> <li>5. Note making.</li> <li>6. Article writing</li> <li>7. Speech writing</li> </ol>

		8. Debate writing 9. Report writing  <b>Integrated Grammar</b>  <b>Unseen passage</b>  <b>Factual Description</b>
2.	Psychology	Chapter 1- What is Psychology? Chapter 2- Methods of enquiry in Psychology Chapter 3- The bases of Human Behavior Chapter 4- Human Development Chapter 5- Sensory, attentional, and perceptual processes Chapter 6- Learning Chapter 7- Human memory Chapter-8 Thinking Chapter-9 Motivation and Emotion
3.	History	Ch 1. From the beginning of time Ch-2 Writing and City Life Ch-3 An Empire Across Three Continents Ch-4 The Central Islamic Lands Ch -5 Nomadic Empires Ch-6 The Three Orders Ch-7 Changing Cultural Traditions Ch- 8 Confrontation of cultures Ch-9 The Industrial Revolution Ch-10 Displacing Indigenous People Ch-11 Paths to Modernisation
4.	Political Science	Part A: Indian Constitution at Work 1. Constitution 2. Election and Representation 3. The Legislature 4. The Executive 5. The Judiciary 6. Federalism 7. Local Governments Part B: Political Theory 8. Political Theory: An Introduction 9. Liberty 10. Equality 11. Justice 12. Rights 13. Citizenship 14. Nationalism 15. Secularism 16. Development

5.	Economics	<p>Part A: Introductory Microeconomics  Unit 1: Introduction  Unit 2: Consumer's Equilibrium and Demand  Unit 3: Producer Behavior and Supply  Unit 4: Forms of Market and Price Determination under Perfect Competition with simple applications.</p> <p>Part B: Statistics for Economics  Unit 1: Introduction  Unit 2: Collection, Organization and Presentation of data  Unit 3: Statistical Tools and Interpretation</p>
6.	Informatics Practices	<p>Chapter 1: Computer System  Chapter 2: Emerging Trends  Chapter 3: Introduction to Python  Chapter 4: Working with Lists and Dictionaries  Chapter 5 : Understanding Data  Chapter 6: Introduction to NumPy  Chapter 7: Database concepts  Chapter 8: Introduction to SQL</p>
7.	Computer Science	<p>Chapter 1: Computer System  Chapter 2: Encoding Schemes and Number Systems  Chapter 3: Emerging Trends  Chapter 4: Introduction to Problem Solving  Chapter 5: Getting Started with Python  Chapter 6: Flow of Control  Chapter 7: Functions  Chapter 8: Strings  Chapter 9: Lists  Chapter 10: Tuples and Dictionaries  Chapter 11: Societal Impact</p>
8.	Physical Education	<p>Unit-1 Changing Trends &amp; career in Physical Education  Unit-2 Olympic Value Education  Unit-3 Physical Fitness, Wellness &amp; lifestyle  Unit-4 Physical Education &amp; Sports for CWSN  Unit-5 Yoga  Unit-6 Physical Activity &amp; Leadership Training  Unit-7 Test, Measurement &amp; Evaluation  Unit 8 Fundamentals of Anatomy, Physiology &amp; Kinesiology in Sports  Unit-9 Psychology &amp; Sports  Unit-10 Training &amp; Doping in Sports</p>
9.	Painting	<p>1. Art an Introduction  2. Pre-Historic Rock-Paintings and Art of Indus Valley (2500 B.C. to 1500 B.C.)  3. Buddhist, Jain and Hindu Art</p>

		<p>(3rd Century B.C. to 8th Century B.C.)</p> <ul style="list-style-type: none"> <li>● The Art during Mauryan, Shunga, Kushana and Gupta Period</li> <li>● The Art of Ajanta Caves</li> </ul> <p>4. Temple Sculptures, Bronze and Artistic Aspects of Indo-Islamic Architecture (6th century A.D. to 13th century A.D.)</p> <ul style="list-style-type: none"> <li>● Artistic Aspects of Indian Temple Sculpture</li> <li>● Indian Bronze Sculpture</li> <li>● Some Artistic Aspects of Indo-Islamic Architecture</li> </ul>
<b>10.</b>	Physics	<p>Chapter–1: Physical World  Chapter–2: Units and Measurements  Chapter–3: Motion in a Straight Line  Chapter–4: Motion in a Plane  Chapter–5: Laws of Motion  Chapter–6: Work, Energy and Power  Chapter–7: System of Particles and Rotational Motion  Chapter–8: Gravitation  Chapter–9: Mechanical Properties of Solids  Chapter–10: Mechanical Properties of Fluids  Chapter–11: Thermal Properties of Matter  Chapter–12: Thermodynamics  Chapter–13: Kinetic Theory  Chapter–14: Oscillations  Chapter 15: Waves</p>
<b>11.</b>	Chemistry	<p>Unit I: Some Basic Concepts of Chemistry  Unit II: Structure of Atom  Unit III: Classification of Elements and Periodicity in Properties  Unit IV: Chemical Bonding and Molecular Structure  Unit V: States of Matter: Gases, Liquids, and solids  Unit VI: Chemical Thermodynamics  Unit VII: Equilibrium  Unit VIII: Redox Reactions  Unit IX: Hydrogen  Unit X: (s) Block Elements  Unit XI: (p) Block Elements  Unit XII: Organic Chemistry: Some basic Principles and Techniques  Unit XIII: Hydrocarbons</p>
<b>12.</b>	Biology	<ol style="list-style-type: none"> <li>1. The Living World</li> <li>2. Biological Classification</li> <li>3. Plant Kingdom</li> <li>4. Animal Kingdom</li> <li>5. Morphology of Flowering Plants</li> <li>6. Anatomy of Flowering Plants</li> <li>7. Structural Organization in Animals</li> <li>8. Cell-The Unit of Life</li> </ol>

		<p>9. Biomolecules  10. Cell Cycle and Cell Division  11. Transport in Plants  12. Mineral Nutrition  13. Photosynthesis in Higher Plants  14. Respiration in Plants  15. Plant - Growth and Development  16. Digestion and Absorption  17. Breathing and Exchange of Gases  18. Body Fluids and Circulation  19. Excretory Products and Their Elimination  20. Locomotion and Movement  21. Neural Control and Coordination  Chemical Coordination and Integration</p>
<b>13.</b>	Mathematics	<p>Chapter 1: Sets  Chapter 2: Relations and Functions  Chapter 3: Trigonometric Functions  Chapter 4 Principle of Mathematical Induction  Chapter 5: Complex Numbers and Quadratic Equations  Chapter 6: Linear Inequalities  Chapter 7: Permutations and Combinations  Chapter 8 Binomial Theorem  Chapter 9: Sequence and Series  Chapter 10: Straight Line  Chapter 11: Conic Section  Chapter 12: Introduction to Three-Dimensional Geometry  Chapter 13: Limits-Derivatives  Chapter 14 Mathematical Reasoning  Chapter 15: Statistics  Chapter 16: Probability</p>
<b>14.</b>	Business Studies	<p>1. Evolution and Fundamentals of business  2. Forms of Business Organisation  3. Public, Private and Global Enterprises  4. Business Services  5. Emerging Modes of Business  6. Social responsibility of Business  7. Sources of Business Finance  8. Small Business Enterprises  9. Internal Trade  10. International Trade</p>
<b>15.</b>	Accountancy	<p>Unit I: Theoretical Framework  Unit II: Accounting Process  Unit III: Financial Statements of Sole proprietorship from Complete and Incomplete Records  Unit IV: Computers in Accounting</p>
<b>16.</b>	Home Science	<p>Unit I Introduction to Home Science  Unit II: Understanding oneself: Adolescence.  ● Understanding the Self.</p>

		<ul style="list-style-type: none"> <li>● Food, Nutrition, Health and Fitness</li> <li>● Management of Resources</li> <li>● Fabric Around us</li> <li>● Media and Communication Technology</li> <li>● Effective communication skills</li> </ul> <p>Unit III: Understanding family, community, and society</p> <ul style="list-style-type: none"> <li>● Relationships and interactions with ‘Significant Others’</li> <li>● Concerns and needs in diverse contexts: <ul style="list-style-type: none"> <li>a. Nutrition, Health and Hygiene</li> <li>b. Resources Availability and Management</li> </ul> </li> </ul> <p>Unit IV: Childhood</p> <ul style="list-style-type: none"> <li>● Survival, Growth and Development</li> <li>● Nutrition, Health and Wellbeing</li> <li>● Care and Education</li> <li>● Our Apparel</li> </ul> <p>Unit V: Adulthood</p> <ul style="list-style-type: none"> <li>● Health and Wellness</li> <li>● Financial Management and planning</li> <li>● Care and Maintenance of fabrics</li> <li>● Perspective in Communication</li> <li>● Individual Responsibilities and Rights</li> </ul>
17	Applied Mathematics	<p>Unit I. Numbers, Quantification and Numerical Applications</p> <p>Unit II. Algebra</p> <p>Unit III. Mathematical Reasoning</p> <p>Unit IV. Calculus</p> <p>Unit V. Probability</p> <p>Unit VI. Descriptive Statistics</p> <p>Unit VII Basics of Financial Mathematics</p> <p>Unit VIII Coordinate Geometry</p>

\*Syllabus may change