

**CLASS –XII (SCIENCE)**  
**HALF YEARLY SYLLABUS**  
**YEAR – 2020-21**

<b><u>SUBJECT</u></b>	<b><u>SYLLABUS</u></b>
<b><u>English</u></b>	<p style="text-align: center;"><b>FLAMINGO</b></p> <p>L-1 The last lesson  L-2 Lost Spring  L-3 Deep water  <b>Poem:</b> My Mother at Sixty-six  <b>Poem:</b> An Elementary School Classroom in a Slum  <b>Poem:</b> Keeping Quiet  <b>VISTAS</b>  L-1 The Third Level  L-2 The Enemy  L-3 Should Wizard hit mommy?</p>
<b><u>Mathematics</u></b>	<p><b>Unit-I</b> Relations and Functions  1. Relations and Functions  2. Inverse Trigonometric Functions  <b>Unit-II</b> Algebra  1. Matrices  2. Determinants  <b>Unit-III</b> Calculus  1. Continuity and Differentiability  2. Applications of Derivatives  3. Integrals (Indefinite)  <b>Internal Assessment</b>  Pen paper test and multiple assessment  Portfolio  Lab activities</p>
<b><u>Physics</u></b>	<ol style="list-style-type: none"> <li>1. Electrostatic force and field</li> <li>2. Gauss's theorem and its applications</li> <li>3. Electrostatic potential and capacitors</li> <li>4. Electric current</li> <li>5. Magnetic effects of current</li> <li>6. Magnetism</li> <li>7. Electromagnetic Induction</li> <li>8. Alternating currents</li> </ol>
<b><u>CHEMISTRY</u></b>	<p><b>Ch- 1</b> Solid state  <b>Ch-2</b> Solution  <b>Ch-3</b> Electrochemistry  <b>Ch-4</b> Chemical kinetics  <b>Ch-5</b> Surface chemistry  <b>Ch-7</b> d and f block elements  <b>Ch-8</b> coordination compounds</p>
<b><u>Biology</u></b>	<p><b>Ch-2</b> Sexual Reproduction in Flowering plants  <b>Ch-3</b> Human Reproduction  <b>Ch-4</b> Reproductive Health  <b>Ch-5</b> Principles of Inheritance and Variation  <b>Ch-6</b> Molecular Basis of Inheritance</p>



<p><b><u>PHYSICAL EDUCATION</u></b></p>	<p><b>Ch-1</b> Planning in sports  <b>Ch-2</b> Sports and Nutrition  <b>Ch-3</b> Yoga and Lifestyle  <b>Ch-4</b> Phy.edu &amp; sport for CWSN  <b>Ch-5</b> Children &amp; women in Sports  <b>Ch-6</b> Test and Measurement in Sports  <b>Internal Assessment</b> ;- Specialization:- One Major Game</p>		
<p><b><u>COMPUTER SCIENCE</u></b></p>	<p><b>Unit 1</b></p>	<p><b>Lesson Name</b></p>	<p><b>Marks %</b></p>
	<p><b>Computation thinging programming-2</b></p>	<ul style="list-style-type: none"> <li>• Revision of the basic python covered in Class -11</li> <li><b>1.</b> Control flow Statement (Including if else and loop range function)</li> <li><b>2.</b> List, Tuple, Dictionary</li> <li>• Working with function</li> <li>• File handling</li> </ul>	<p>60%</p>
	<p><b>Unit 2</b></p>		
	<p><b>Computer Network</b></p>	<ul style="list-style-type: none"> <li>• Including Complete Networking notes given</li> </ul>	<p>20%</p>
	<p><b>Unit 3</b></p>		
	<p><b>Database Managment</b></p>	<p>Basic SQL command Including (DDL,DML,TCL) Including basic SQL command covered in Chall 11</p>	<p>20%</p>