P.S.SENIOR SECONDARY SCHOOL
SYLLABUS FOR HALF YEARLY- 2026 (SCIENCE GROUP)

SUBJECT	CLASS XI
ENGLISH	Class XI Half-yearly portions: Prose: 1. The Portrait of the Lady 2. We're Not Afraid to Die If We Can All Be Together 3. Discovering Tut: The Saga Continues Poetry: 1. A Photograph 2. The Laburnum Top 3. The Voice of the Rain 4. Childhood. Supplementary Reader : 1. The Summer of the Beautiful White Horse 2. The Address 3. Mother's Day 4. Birth. Writing Skills: Debate, speech, poster, classifieds. Grammar: general grammar
MATHS	1. sets 2. trigonometric functions 3. complex numbers 4. permutations and combinations 5. binomial theorem 6. sequesnce and series 7. straight lines 8. conic sections 9. introduction to 3D geometry 10. statistics 11. probability
PHYSICS	01. units and dimensions 02. 1 Dimensional motion. 03. Motion in a plane 04. Laws of motion. 05. Work power energy 06. Systems of particle and rotational motion 07. Gravitation. 08. Properties of solids 09. Properties of fluids 10. Thermodynamics 11. Kinetic theory of gases
CHEMISTRY	Some Basic Concepts of Chemistry,Structure of Atom,Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure,Redox Reactions,Organic Chemistry – Some Basic Principles and Techniques,Hydrocarbons,Equilibrium-till pg 188

BIOLOGY	**1.Biological Classification** **2. Cell Cycle** **3.Biomolecules** **4. Excretory Products &their Elimination** **5.Locomotion & movement** **6. Photosynthesis** **7. Neural Control.**
COMPUTER SCIENCE	**Python Programming - List,Tuple, Dictionary** **Encoding schemes and Number System, Boolean Algebra**
INFORMATICS PRACTICES	**List** **Dictionary** **DataBase Concepts** **SQL- DDL commands - Create Database, Create Table, Alter, Drop** **DML - Insert, Select (From, WHERE clause with relational operators, Between, Logical operators)**