

**D.A.V. PUBLIC SCHOOL, AIROLI**  
**PREBOARD SYLLABUS -2023-24**  
**STD- XI(Science)**

**ENGLISH**

**SNAP SHOT**

- 1.The summer of a Beautiful White Horse
- 2.The Address
- 3.Mother's Day

**HORNBILL**

- 1.The Portrait of a Lady
- 2.A Photograph
- 3.We're Not Afraid to Die....If We Can be Together
- 4.Discovering Tut
- 5.The Laburnum Top
- 6.The Voice of The Rain
- 7.Childhood
- 8.The Adventure

**WRITING SKILLS:**

- \*Classified Advertisement
- \*Poster Making
- \*Speech Writing
- \*Debate Writing

**GRAMMAR:**

- \*Tenses
- \*Clauses
- \*Re-ordering
- \*Transformation of Sentences

**NOTE MAKING:**

**UNSEEN PASSAGES(COMPREHENSION)**

**PHYSICS**

- Topics: 1)Units and Measurements  
2)Motion in a straight line  
3)Motion in a plane  
4)Laws of motion  
5)Work Energy and Power

- 6) System of particles and Rotational motion
- 7) Gravitation
- 8) Mechanical properties of solids
- 9) Mechanical properties of fluids
- 10) Thermal properties of matter
- 13) Oscillations
- 14) Waves

## **CHEMISTRY**

- 1) some basic Concepts of chemistry**
- 2) Structure of Atom**
- 3) Classification of elements**
- 4) Chemical Bonding and Molecular Structure**
- 5) Organic chemistry: Some basic Principles and Techniques**
- 6) Hydrocarbons**
- 7) Redox Reactions**
- 8) Thermodynamics**

## **MATHS**

- 1. Sets**
- 2. Relations and function**
- 3. Trigonometric Function only Ex 3.1**
- 4. Complex numbers**
- 5. Binomial theorem**
- 6. Linear inequalities**
- 7. Sequence and series**
- 8. Straight lines**
- 9. Limits and derivatives**
- 10. Statistics**
- 11. Probability**
- 12. Introduction to 3D geometry**

## **BIOLOGY**

**Unit I- The Living World**

**Chapters 1-4**

**Unit III- Cell: The Unit of life**

**Chapters-8-10**

**Unit IV- Plant Physiology**

**Chapters-Photosynthesis**  
**Respiration & Plant growth and development**  
**Unit V-Human Physiology**  
**Chapters- Breathing and exchange of gases,**  
**Circulation of body fluids**  
**Excretion**  
**Locomotion and Movement**  
**Neural Control and Coordination**  
**Chemical Coordination**  
**Total Chapters 16**

## **COMPUTER SCIENCE**

Topics: 1) Computer System Overview  
2) Data Representation  
3) Introduction to Problem solving  
4) Getting started with Python  
5) Python Fundamentals  
6) Data Handling  
7) Flow of Control  
8) String Manipulation  
9) List Manipulation  
10) Tuples  
11) Dictionaries  
12) Cyber Safety  
13) Online Access & Computer  
Security  
14) Society, Law & Ethics

## **PHYSICAL EDUCATION**

**1)Changing Trends and Career in Physical Education**  
**2)Olympic value education**  
**3)Yoga**  
**4)Physical Education and Sports for CWSN**  
**5)Physical Fitness,Wellness**  
**6)Test,Measurement and Evaluation**  
**7)Fundamentals of Anatomy and Physiology in sports**  
**8)Fundamentals of Kinesiology and Biomechanics in Sports**  
**9)Psychology and Sports**

## **PSYCHOLOGY**

- 1) What is Psychology**
- 2) Methods of Enquiry in Psychology**
- 3) Human Development**
- 4) Sensory, Attentional and Perceptual Process**
- 5) Learning**
- 6) Human Memory**
- 7) Thinking**
- 8) Motivation and Emotion**