

**Gautam International Sr. Sec. School**  
**Syllabus**  
**Class:- XI Sci A and B**

**Physics**

- a) Chp 2 :- Units of Measurement
- b) Chp 3 :- Motion in a straight line
- c) Chp 4 :- Motion in a plane
- d) Chp 5 :- Laws of Motion
- e) Chp 6 :- Work, Energy of Power
- f) Chp 7 :- System of particles of rotational motion

**Chemistry**

- a) Chp 1 :- Some basic concepts of Chemistry
- b) Chp 2 :- Structure of Atom
- c) Chp 3 :- Classification of Element and Periodicity in Properties
- d) Chp 4 :- Chemical Bonding of Molecular Structure

**Biology**

- a) Chp 1 :- The living World
- b) Chp 2 :- Biological classification
- c) Chp 3 :- Plant Kingdom
- d) Chp 4 :- Animal Kingdom
- e) Chp 5 :- Morphology of flowering plants
- f) Chp 6 :- Anatomy of flowering plant
- g) Chp 7 :- Structural organization in Animals
- h) Chp 16:- Digestion of absorption
- i) Chp 17:- Breathing of exchange of Gases

**English**

- a) Portrait of a lady
- b) Summer of a beautiful white horse
- c) Ranga's Marriage
- d) Albert Einstein

**Poem**

- a) Father to son
- b) Childhood
- c) Voice of Rain

**Reading**

- a) Comprehension
- b) Note - making

**Writing**

- a) Noting
- b) Article
- c) Report Writing
- d) Speech
- e) Debate
- f) Advertisement, Invitation

## **Mathematics**

- a) Sets
- b) Relations of functions
- c) Trigonometric functioning
- d) Principle of Mathematical Induction
- e) Complex no's of quadratic equations
- f) Permutations and combinations
- g) Sequence of series
- h) Straight lines

## **Physical Education**

- a) Changing trends career in physical education
- b) Physical fitness, wellness of lifestyle
- c) Olympic movements
- d) Doping
- e) Fundamentals of anatomy physiology
- f) Biomechanics of sports

## **C++**

- a) Getting Started with Python
- b) Computer system overview
- c) Data representation
- d) Boolean Logic
- e) Relational Database
- f) Simple queries in SQL

## **Information Practices**

- a) Unit I :-       Programming and Computational thinking (PCT - 1)  
                      Basic Computer Organization  
                      Getting Started with Python  
                      Python Fundamental  
                      Data Handling  
                      Conditional and Interactive statements
- b) Unit II :-       Data handling (DH - 1)  
                      String Manipulation

