



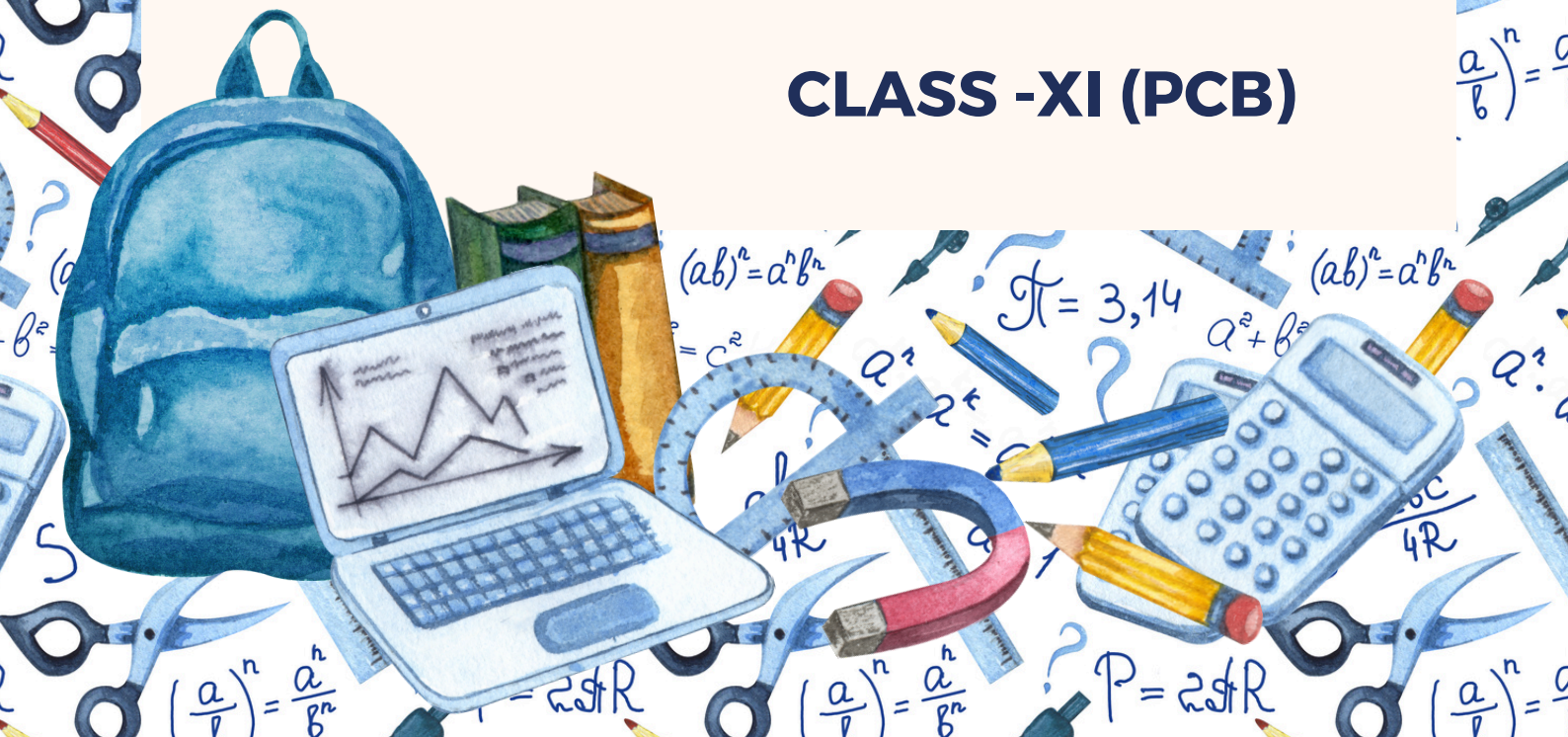
BLS INTERNATIONAL SCHOOL , HATHRAS




2026-27

FLASHLIGHT ON ANNUAL SYLLABUS

CLASS -XI (PCB)





Only a child sees things with perfect clarity, because it hasn't developed all those filters which prevent us from seeing things that we don't expect to see.

Dear Parents,

We welcome you all to this new academic year 2026-2027 charged with great enthusiasm and optimism. We extend our warmest greetings to each and every one of you on this educational journey.

Education is not only an act of acquiring knowledge but learning a skill to lead life and forming one's personality. We focus on discovering, developing and drawing out the hidden talents and the magic lying dormant inside all of our students.

When dealing with students there is a greater need for observing than of probing. All of them may not answer as per the required criteria but they show the interest in it. All the observations play a vital role in nurturing the child in the most appropriate manner. In the present era we need to have holistic approach to groom the personality of our students.

As we know teachers are the nation builders. Our teachers aim that children must be taught how to think , not what to think. For this, they strive hard to continue with providing a holistic education to all students as far as possible through new ways of organizing school programs and activities and our students respond well with appreciation and gratitude.

We would like to express our deepest gratitude to the parents for their remarkable cooperation and trust which they showed in this institution and made our journey a benchmark for others.

Thanks and regards.



**APRIL
BLOSSOMS OF NEW BUDS**

SCHOLASTIC

CO-SCHOLASTIC

| | | |
|--------------------|--|---|
| English | <p>Hornbill Ch-1 The Portrait of a Lady</p> <p>Snapshot Ch-1 The Summer of the Beautiful White Horse</p> <p>Writing Skills Advertisement and its types</p> | Group Discussion |
| Physics | <p>Ch-1 Units and Measurements Ch-2 Motion in a straight line</p> | Class Activity. |
| Chemistry | <p>Ch-1 Some Basic Concepts of Chemistry Ch-2 Atomic Structure</p> | Class Activity. |
| Biology | <p>Ch-5 Morphology of flowering plants Ch-6 Anatomy of flowering plants</p> | Comparative study of the rates of transpiration in the upper and lower surfaces of leaves. |
| Physical Education | Unit - 1. Changing Trends & Career in Physical Education | Subject Enrichment:- Categories changing trends in sports - playing surface, wearable gear, sports equipment, technical. |
| Computer Science | <p>Ch 1: Computer System Overview Ch 2: Data Representation Ch 4: Introduction To Problem Solving Ch 5: Getting Sartetd With Python</p> | Practical Examples |
| Painting | <p>Ch-1 Introduction of Art Ch-2 Six limbs of arts</p> | Practical |



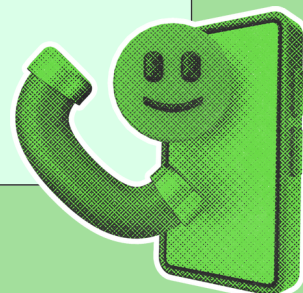
SCHOLASTIC

MAY
"ECO-GREEN GALA"



CO-SCHOLASTIC

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|-----------------------|---|---|
| English | Hornbill Ch-2 We're Not Afraid to Die Poem 1: A Photograph Writing Skills Poster Making Integrated Grammar Exercise | Group Discussion |
| Physics | Ch2- Motion in a straight line PT I - Syllabus covered by the month of May | To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume. To measure diameter of a given wire and thickness of a given sheet using screw gauge. |
| Chemistry | Ch-2 Atomic Structure PT-I Syllabus covered by the month of May | Oral Test |
| Biology | Ch-1: The Living World Ch-2: Biological Classification Ch-3: Plant Kingdom PT I - Syllabus covered by the month of May | Study of distribution of stomata on the upper and lower surfaces of leaves. |
| Physical Education | UNIT- II OLYMPIC VALUE EDUCATION PT-I Syllabus covered by the month of May | Subject Enrichment:- Identify the Olympic symbol and Ideals |
| Computer Science | Ch6: Python Fundamentals PT-I Syllabus covered by the month of May | Examples And Practice Questions In Class |
| Painting | Ch. 3 Elements of Arts Revision PT-I Syllabus covered by the month of May | Practice for Practical |



JULY

"HOLLYHOCKS & HAMMOCKS"

SCHOLASTIC

CO-SCHOLASTIC

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| English | Hornbill: Ch-3 Discovering Tut: the Saga Continues Snapshot: Ch-2 The Address Writing Skills: Speech Writing Poem 2: The Laburnum Top | GD and Debate on topics to inculcate confidence and creative understanding. |
| Physics | Ch3- Motion in a plane Ch4- Laws of motion | <ul style="list-style-type: none"> To find the weight of a given body using parallelogram law of vectors. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm. To study the variation in range of a projectile with angle of projection |
| Chemistry | Ch -3 Classification of elements and their periodicity Ch-4 Chemical bonding and molecular structure | Determination of pH of some solutions obtained from fruit juices, solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator |
| Biology | Ch-4: Animal Kingdom Ch-7: Structural Organisation in Animals | Class Activity. |
| Physical Education | UNIT-III YOGA UNIT-IV PHYSICAL EDUCATION & SPORTS FOR CWSN U.T. I EXAM (Unit I & II) | Subject Enrichment:- Identify the asanas, pranayama's meditation and yogic kriyas. Subject Enrichment:- Identify the concept of Disability and Disorder |
| Computer Science | Ch3: Boolean Logic Ch7: Data Handling Ch8: Introduction To Python Module | Examples And Practice Programs In Lab |
| Painting | Ch. 4 Pre- Historic Rock Painting | Practice for Practical |

AUGUST

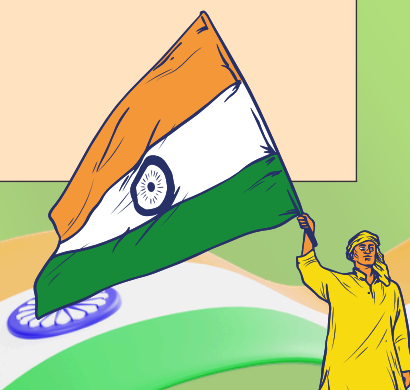
"LET FREEDOM RINGS"

SCHOLASTIC



CO-SCHOLASTIC

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| <p>English</p> | <p>Snapshot Ch-5 Mother's Day Writing Skills Integrated Grammar Exercise Note making and summary Poem 3: The Voice of the Rain</p> | <p>Class Test</p> |
| <p>Physics</p> | <p>Ch5- Work, Energy and Power Ch6- system of particles and rotational motion</p> | <p>Using a simple pendulum, plot its L-T 2 graph and use it to find the effective length of second's pendulum. To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface</p> |
| <p>Chemistry</p> | <p>Ch-5 Thermodynamics Ch-6 Chemical equilibrium</p> | <p>Detection of -Nitrogen, Sulphur, Chlorine in organic compounds.</p> |
| <p>Biology</p> | <p>Ch-8: Cell – The Unit of Life Ch-10: Cell Cycle and Cell Division</p> | <p>Study of osmosis by potato osmometer</p> |
| <p>Physical Education</p> | <p>UNIT - V PHYSICAL FITNESS, WELLNESS UNIT – VI TEST, MEASUREMENTS & EVALUATION</p> | <p>Subject Enrichment:- Classify physical fitness and recognize its importance in life. Subject Enrichment:- Discuss the importance of Test, Measurements and Evaluation process</p> |
| <p>Computer Science</p> | <p>Ch 9: Flow Of Control Ch10: String Manipulation Ch 14: Cyber Safety</p> | <p>Examples And Practice Programs In Lab</p> |
| <p>Painting</p> | <p>Ch,5 Art of Indus Valley Civilization Ch.7 Art during Maurayan, Shung, Kushan, Gupt and Gandhra school of Art</p> | <p>Practice for Practical</p> |



SEPTEMBER
"EAT HEALTHY, THINK HEALTHY"

SCHOLASTIC

CO-SCHOLASTIC

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| English | Poem 4: Childhood Writing Skills: Integrated Grammar Practice Exercise | Practice Exercises |
| Physics | HALF YEARLY EXAMINATION - Syllabus covered by the month of August Ch7- Gravitation | Revision |
| Chemistry | Ch-6 Chemical equilibrium (To be covered after HY Exams) HALF YEARLY EXAMINATION Syllabus covered by the month of August | Detection of -Nitrogen, Sulphur, Chlorine in organic compounds. |
| Biology | HALF YEARLY EXAMINATION - Syllabus covered by the month of August Ch-11: Photosynthesis in Higher Plants | Separation of Plant pigments through paper Chromatography |
| Physical Education | UNIT - VII FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY IN SPORTS HALF YEARLY EXAMINATION - Syllabus covered by the month of August | Subject Enrichment:- Identify the importance of Anatomy and physiology |
| Computer Science | HALF YEARLY EXAMINATION - Syllabus covered by the month of August | Practice Programs In Lab |
| Painting | HALF YEARLY EXAMINATION - Syllabus covered by the month of August Revision | Revision |

OCTOBER
"SWEETS TO SWEETEN SUCCESS"

SCHOLASTIC

CO-SCHOLASTIC

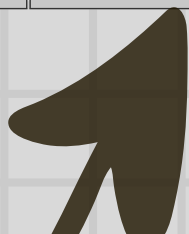
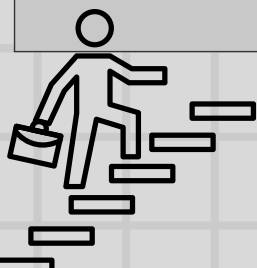
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| English | Hornbill: Ch.5 The Adventure Snapshots: Ch.5 Birth Poem 5 : Father to son Writing Skills: Note Making & Summary | Extempore |
| Physics | Ch-8 Mechanical properties of solid Ch9- Mechanical properties of fluids Ch10- Thermal properties of matter | To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination θ by plotting graph between force and $\text{Sin}\theta$ |
| Chemistry | Ch – 7 Redox Reactions Ch – 8 Organic Chemistry: Some basic principles and techniques | Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid. |
| Biology | Ch-12: Respiration in Plants Ch-13: Plant Growth and Development Ch-14: Breathing and Exchange of Gases | 1. Parts of a compound microscope. 2. Specimens/slides/models |
| Physical Education | UNIT - VIII FUNDAMENTALS OF KINESIOLOGY AND BIOMECHANICS IN SPORTS UNIT – IX PSYCHOLOGY AND SPORT | Subject Enrichment:- Discuss the biomechanical principles and their utilization in sports and physical education. |
| Computer Science | CH 11:LIST MANIPULATION | Examples And Practice Programs In Lab |
| Painting | Ch. 8 Ajanta Caves Ch. 9 Indian Temple Sculpture Ch. 10 Indian Bronze Sculpture | Practice for Practical |

NOVEMBER
"BE ODD TO BE NO.1"

SCHOLASTIC

CO-SCHOLASTIC

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| English | Hornbill: Ch.6 Silk Road Snapshots: Ch.6 The Tale of Melon city | Writing Skills and integrated Grammar Exercises |
| Physics | Ch11- Thermodynamics Ch12- Kinetic theory | To observe the decrease in pressure with increase in velocity of a fluid. |
| Chemistry | Ch – 8 Organic Chemistry: Some basic principles and techniques (Contd) | Determination of strength of a given solution of hydrochloric acid by titrating it against standard Sodium Carbonate solution. |
| Biology | Ch-15: Body Fluids and Circulation Ch-16: Excretory Products and Their Elimination Ch-17: Locomotion and Movement Ch-18: Neural Control and Coordination | 4. Mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides. 5. Different types of inflorescence (cymose and racemose). |
| Physical Education | UNIT - X TRAINING & DOPING IN SPORTS | Subject Enrichment:- Identify the role of psychology in physical education and sports. |
| Computer Science | Ch 12:Tuples Ch15:Society, Law & Ethics | Examples And Practice Programs In Lab |
| Painting | Ch. 11 Artistic Aspects of the Indo-Islamic Architecture Revision and Assignment | Practice for Practical |




DECEMBER

"THE SPIRIT OF GRATITUDE"

SCHOLASTIC

CO-SCHOLASTIC

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|--------------------|---|--|
| English | PT II - Syllabus covered after Half Yearly Examination REVISION | Revision |
| Physics | PT II - Syllabus covered after Half Yearly Examination Ch13- Oscillation Ch14- waves | Practice for Practical. |
| Chemistry | PT II - Syllabus covered after Half Yearly Examination Ch – 9 Hydrocarbons | Determination of one anion and one cation in a given salt. |
| Biology | PT II - Syllabus covered after Half Yearly Examination Ch-19: Chemical Control and Integration Ch-9: Biomolecules | 6. Human skeleton and different types of joints with the help of virtual images/models only |
| Physical Education | PT II - Syllabus covered after Half Yearly Examination | Subject Enrichment:- Differentiate between the skill, technique, tactics and strategies in sports training |
| Computer Science | PT II - Syllabus covered after Half Yearly Examination Ch 13: Dictionaries | EXAMPLES AND PRACTICE PROGRAMS IN LAB |
| Painting | PT II - Syllabus covered after Half Yearly Examination Revision and Assignment | Revision  |