BLS INTERNATIONAL SCHOOL, HATHRAS



2026-27

FLASHLIGHT ON ANNUAL SYLLABUS

CLASS -XII (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 2025-2026 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	Flamingo Prose- The Last Lesson and Lost Spring Poetry-My Mother at Sixty Six Vistas- The Third Level Writing Skills-Letter to Editor, Job Application and Notice Writing	Group discussion.
Physics	Ch-1 Electric charges and fields. Ch-2 Electrostatic potential and capacitance(continued)	Assign Investigatory project and experiment 1 performed
Chemistry	Ch-6 Haloalkanes & haloarenes Ch-7 Alcohols, phenols and ethers	Determination of concentration/ molarity of KMnO4 solution by titrating it against a standard solution of M/20 Ferrous Ammonium Sulphate (Mohr's Salt)
Biology	Ch - 1 Sexual reproduction in flowering plants. Ch - 2 Human reproduction (Continued)	Experiment.1 Prepare a temporary mount to observe pollen germination.
Physical Education	Unit-1 Management of Sporting Events	Prepare fixtures of knock-out, league and combination tournaments.
Computer Science	Ch-1 Python Revision Tour-I Ch-2 Python Revision Tour-II Ch-3 Working with functions.	Python Program in Lab.
Painting	Unit I Ch.1 Introduction of Indian Miniature Painting Ch.2 Rajasthani school of Miniature Painting	Practical work Group Discussion

MAY
"ECO-GREEN GALA"

SCHOLASTIC		CO-SCHOLASTIC
English	Flamingo Prose-Deep Water Poetry -Keeping Quiet Vistas – The Tiger King. Writing Skills-Article Writing and Invitation Formal and informal and their replies.	Class test.
Physics	Ch-2 Electrostatic potential and capacitance(Completed)	*Assign investigatory project and experiment 2 performed*
Chemistry	Ch-7 Alcohols, phenols and ethers (Contd) Ch-8 Aldehydes ketones and Carboxylic acids	Determination of concentration/ molarity of KMnO4 solution by titrating it against a standard solution of M/40 Oxalic acid
Biology	Ch-2 Human reproduction Ch -3 Reproductive Health	EXPERIMENT - 2 Study the plant population density by quadrat method.
Physical Education	Unit-2 Children and Women in Sports	Classify common postural deformities and identify corrective measures.
Computer Science	Ch-4 Using Python Libraries (Some important concepts only) Ch-5 Data file handling Ch -6 Exception handling	Python Program in Lab
Painti	Ch - 3 Pahari School of minia re painting UNIT II Ch. Mugh chool ture painting	Practical Work n Discussion

JULY
"HOLLYHOCKS & HAMMOCKS"

	SCHOLASTIC	CO-SCHOLASTIC
English	Flamingo Prose- The Rattrap and Indigo. Poetry- A Thing of Beauty. Vistas Journey to the end of the Earth. Reading Comprehension Factual, Descriptive or Literary Passage. Writing Skills- Job Application Letter.	Group Discussion – Debate on Topics taught to inculcate confidence and creative understanding
Physics	Ch-3 Current electricity(Completed) Ch-4 Moving charges and magnetism Ch-5 Magnetism and matter	EXPERIMENTS: 1.To determine resistivity of two / three wires by plotting a graph for potential difference versus current.2.To find resistance of a given wire / standard resistor using metre bridge. 3.To verify the laws of combination (series) of resistances using a metre bridge
Chemistry	Ch-8 Aldehydes ketones and Carboxylic acids (contd) Ch-9 Amines	Tests for the functional groups present in organic compounds: alcoholic, phenolic, ketonic, carboxylic and amino (Primary) groups. and aldehydic groups
Biology	Ch-4 Principles of inheritance and variation. Ch-5 .Molecular basis of Inheritance (continued)	Experiment - 3 Study the plant population frequency by quadrat method.
Physical Education	Unit-3 Yoga as preventive measure for lifestyle disease. Unit-4 Physical education and sports for CWSN (Children with Special Needs - Divyang)	*Outline the role of yogic management for various health benefits and preventive measures.* Create advantages for children with special needs through physical activities.
Computer Science	Ch- 7 Data Structure (Stack Implementation) Ch-8 Computer Network - 1	Python Programs in Lab
Painting	Revision and assignment	Practical Work Group Discussion

AUGUST
"LET FREEDOM RINGS"

	SCHOLASTIC	CO-SCHOLASTIC
English	Flamingo Prose-Poets & Pancakes . Poetry -A Roadside Stand . Vistas The Enemy and On the Face of it. Writing Skills- Report Writing	Class Test
Physics	Ch-6 Electromagnetic Induction Ch-7 Alternating Current Ch-8 EM Waves	4. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
Chemistry	Ch-10 Biomolecules Ch-1 Solutions	Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given foodstuffs.
Biology	Ch-6. Evolution. Ch - 7 Human Health and Diseases	Experimemt -4. Prepare a temporary mount of onion root tip to study mitosis
Physical Education	Unit-5 Sports and Nutrition. Unit-6 Test & Measurement in sports	* Classify Nutritive and Nou- Nutritive components of diet.* Perform SAI Khelo India Fitness test in school.
Computer Science	Ch-9 Computer Network - II	Python Programs in Lab
Painting	Ch - 5 Deccan School of miniature painting Unit 3 Ch-6 Bengal school of Art	Work sheet Assignment and Practical work.

SEPTEMBER

"EAT HEALTHY,THINK HEALTHY"

	SCHOLASTIC	CO-SCHOLASTIC
English	Flamingo Prose-The Interview Poetry-Aunt Jennifer's Tigers	Interview Based Activity
Physics	REVISION	ACTIVITIES: SECTION-A 1. To measure resistance, voltage (AC/ DC), current (AC) and check continuity of a given circuit using multimeter. 2. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source. 3. To assemble the components of a given electrical circuit.
Chemistry	Ch- 2 Electrochemistry	Determination of one anion and one cation in a given salt
Biology	Ch-8 Microbes in human welfare	Experiment -5 Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc. given electrical circuit.
Physical Education	Unit-7 Physiology and Injuries in sports	Classify sports Injuries with it's management.
Computer Science	REVISION	
Painting	REVISION	Assignment Practical work

OCTOBER

"SWEETS TO SWEETEN SUCCESS"

	SCHOLASTIC	CO-SCHOLASTIC
English	Flamingo Going Places Vistas Memories of Childhood Reading Skills-Comprehension Case Based Passage	Commencement of Project Work for ALS.
Physics	Ch - 9 Ray Optics Ch-10 Wave optics	EXPERIMENTS:SECTION-B 5.To find the value of v for different values of u in case of a concave mirror and to find the focal length. 6.To find the focal length of a convex mirror, using a convex lens. 7.To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v.
Chemistry	Ch-3 Chemical Kinetics Ch-4 d and f block elements	Determination of one anion and one cation in a given salt
Biology	Ch-9.Biotechnology and it's principles. Ch-10. Biotechnology and it's applications. Ch - 11 Organism and population	Spotting no. 1and 2
Physical Education	Unit-8 Biomechanics and Sports. Unit-9 Psychology and Sports.	* Recognize the concept of Projectile in sports.* Classify different types of personality and their relationship with sports performance.
Computer Science	Ch - 10 Relational database Ch - 11 Simple Queries in SQL Ch - 12 Table creation and Data manipulation commands. Ch - 13 Grouping Records, Joins in SQL	
Painting	Ch - 7 Indian National Flag Ch-8 Modern Trends of Indian Art Part I Study of Modern Painting and Artist	Assignment Practical work

NOVEMBER

"BE ODD TO BE NO.1"

SCHOLASTIC		CO-SCHOLASTIC
English	Revision of Literature and Writing Skills.	Assessment of listening and speaking skills(to be judged on year round performance too)
Physics	Ch-12 Dual Nature of Matter and Radiation Ch -13 Atoms Ch-14 Nuclei Ch-15 Semiconductor electronics	EXPERIMENTS:SECTION-B 8.To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation. 9.To determine refractive index of a glass slab using a travelling microscope.10. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.
Chemistry	Ch-5 Coordination compounds	
Biology	Ch-12.Ecosystem Ch-13.Biodiversity and it's conservation	Spotting no. 3,4 and 5
Physical Education	Unit-10 Training in Sports	Develop different types of Training Methods
Computer Science	Ch - 14 Interface Python with MYSQL	SQL queries in Lab
Painting	Ch - 8 Part -II Study of Graphic Print and Artist Part-III Study of Sculpture and Sculptor	Assignment Practical work

DECEMBER
"THE SPIRIT OF GRATITUDE"

SCHOLASTIC		CO-SCHOLASTIC
English	Preboard 1 and 2	Project work ALS
Physics	Preboard 1 and 2	Activity Section- B1.1 identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. 2.Use of multimeter to see the unidirectional flow of current in case of a diode and an LED to check whether a given electronic component (e.g., diode) is in working order. 3. To observe diffraction of light due to a thin slit.
Chemistry	Preboard 1 and 2	Revision
Biology	Preboard 1 and 2	Revision
Physical Education	Preboard 1 and 2	Revision
Computer Science	Preboard 1 and 2	Revision
Painting	Preboard 1 and 2	Revision

