



FLORENCE INTERNATIONAL SCHOOL
 (Senior Secondary Affiliated With CBSE | ISO 21001:2018 Certified)
SYLLABUS FOR THE YEAR 2025-2026
GRADE – XI (SCIENCE)

Month	Subject	Lesson	Activity
April 20 Working days	Physics	Ch2- Units and Measurements Ch3 Motion in a straight line.	
	Chemistry	Ch1- Some Basic Concepts of Chemistry Ch7- Redox Reactions	
	Maths	L1- Sets L2- Relations and functions L3- Trigonometric functions	
	Biology	Chapter-1: The Living World Chapter-2: Biological Classification	1.Study and describe locally available common flowering plants, from family Solanaceae
	Computer	Ch 1-Computer system Overview Ch 2-Data representation Ch 3-Boolean logic	
	English	Hornbill <u>Prose</u> Chapter1 The Portrait of a lady Poetry: A Photograph Ch-2 We are not afraid to die... if we can all be together <u>Snapshots</u> Chapter1 The Summer of the Beautiful White House Writing: Advertisement writing	
	Physical Education	Ch.- 1 Changing Trends & career in Physical education Ch.- 2 Olympic value education	
	Fine Arts	L1- Art-An introduction L2-Art and the Culture	
May 14 Working days	Physics	Ch4-Motion in a plane Ch5-Laws of motion.	
	Chemistry	Ch2 - Structure of atom Ch 3 Classification of Elements and Periodicity in Properties	

	Maths	L5- Complex numbers L9 Sequence and series	
	Biology	Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom	1. Study of osmosis by potato osmometer
	Computer	Ch4-Insight into program execution Ch5-Computational thinking and getting started with python Ch6-Python fundamentals Ch 7-Data handling	
	English	Hornbill Prose- Ch3 Discovering Tut: the saga continues Poetry- The laburnum top Snapshots The address Writing-Poster Writing	
	Physical education	Ch.- 3 Physical fitness, wellnes & lifestyle Ch.- 4 Physical education & sports for CWSN.	
	Fine Arts	L3- Origin and Development of Different forms of Fine Arts in India	
July 23 Working days	Physics	Ch6- Work,energy and power Ch7- System of particles and rotational motion.	
	Chemistry	Ch 4 Chemical Bonding and Molecular structure	
	Maths	L6- Linear inequalities L7- Permutation and combinations L8- Binomial theorem	
	Biology	Ch-5 Morphology of Flowering Plants Ch-6 Anatomy of flowering plants Ch-7 Structural organization of flowering plants	1. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.
	Computer	Ch8-Conditional and Iterative statements Ch9-String Manipulation Ch10-Debugging Programs. Ch11-List Manipulation	

	English	Hornbill Prose- The voice of the rain Childhood Snapshots Play- Mother's day Speech writing	
	Physical education	Ch.-5 Yoga Ch.-6 Physical activity & Leadership training	
	Fine arts	L4 Prehistoric Rock Paintings	
August 19 Working days	Physics	Ch 8 Gravitation Ch9 Mechanical properties of solids	
	Chemistry	Ch 8 Organic chemistry: Some basic Principles and Techniques	
	Maths	L12- 3D geometry	
	Biology	Ch-8 Cell: the unit of Life. Ch-9 Biomolecular Ch-10 Cell cycle and Cell division	1. Test for presence of albumin in urine.
	Computer	Ch12-Tuples Ch13-Dictionaries Ch14-Understanding Sorting Ch15-Relational Database	
	English	Hornbill Ch7 The Adventure Snapshots: ch7 Birth Grammar-Re-ordering/transformation of sentences	
	Physical education	Ch.- 7 Test , Measurement & Evaluation	
	Fine arts	L5-Art of Indus Valley	
September 13 Working days	Physics	Ch 10 Mechanical properties of fluids Ch11- Thermal properties of matter	
	Chemistry	Ch 8 Organic chemistry: Some basic Principles and Techniques Ch 9 Hydrocarbons	

	Maths	L10- Straight lines L11- Conic sections	
	Biology	Ch-13 Photosynthesis in Higher plants Ch-14 Respiration in plants Ch-15 Plant-Growth and Development	Test for presence of sugar in urine.
	Computer	Ch16-Simple queries in SQL Ch17-Table creation and data manipulation commands Ch18-Basics of NoSQL database- MONGODB	
	English	Hornbill: Father To Son Snapshots: Father to Son The tale of Melon City Writing: Speech Writing	
	Physical education	Ch.- 8 Fundamentals of Anatomy, Physiology & Kinesiology in sports	
	Fine arts	L6- The Art during Mauryan, Shunga, Kushana and Gupta Period	
October 18 Working days	Physics	Ch12- Thermodynamics Ch 13 Kinetic theory	
	Chemistry	Ch 5 Chemical Thermodynamics	
	Maths	L13- Limits and Derivatives L15- Statistics	
	Biology	Ch-16: Breathing and Exchange of gases Ch-17: Body fluids and Circulation Ch-18: Excretory products and their Elimination	Study of distribution of stomata on the upper and lower surfaces of leaves.
	Computer	Ch19-Cyber Safety Ch20-Online Access and Computer Security	
	English	Hornbill: Silk Road Grammar-Gap fillings exercises	
	Physical education	Ch.-9 Psychology and sports	
	Fine arts	L7 The Art of Ajanta Caves	

November 20 Working days	Physics	Ch 14- oscillations Ch15- Waves	
	Chemistry	Ch 6 Equilibrium	
	Maths	Ch 16 Probability	
	Biology	Ch.19: Locomotion and Movement. Ch-20: Neural Control and Coordination Ch- 21: Chemical Coordination and Integration	Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb).
	Computer		
	English	Formal letters note making	
	Physical education	Ch.-10 Training & Doping in sports	
	Fine arts	L8- Artistic Aspects of Indian Temple Sculptures L9- Indian Bronze Sculptures	
December 24 Working days	Physics	Revision	
	Chemistry	Revision	
	Maths	Revision	
	Biology	Revision	Separation of plant pigments through paper chromatography.
	Computer	Revision	
	English	Revision	Value Education Theme of the month: VALUE TIME Importance of time management during exams (question paper solving activity)
	Physical education	Revision	
	Fine arts	L10- Some Artistic Aspects Of Indo-Islamic Architecture	
January 14 Working days	Physics	Revision	
	Chemistry	Revision	Theme of the value (Understanding and tolerance): Blindfold activity
	Maths	Revision	Value education- Positive strokes
	Biology	Revision	Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.
	Computer		

	English	Revision	Value Education Theme Of The Month Understanding And Tolerance
	Physical education	Revision	
	Fine arts	Revision	
Feb 22 working days			



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EXAMINATION SYLLABUS 2025-26
GRADE – XI

Month	Subjects	Syllabus
Periodic Assessment – I (11 July to 19 July)	Physics	Ch 2 Units and measurements Ch 3 Motion in a straight line
	Chemistry	Ch1 Some Basic concepts of Chemistry Ch 7 Redox Reactions
	Mathematics	L1- Sets L2- Relations and functions L3- Trigonometric functions
	Biology	Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom
	Computer	Ch 1-Computer system Overview Ch 2-Data representation Ch 3-Boolean logic Ch4-Introduction to problem solving
	Physical education	Ch.1- Changing trends & career in physical education Ch.2- Olympic Value Education
	Fine arts	L1- Art-An introduction L2-Art and the Culture L3-Origin and Development of Different forms of Fine Arts in India
	English	Hornbill <u>Prose</u> Chapter1 The Portrait of a lady chapter3We are not afraid to die... if we can all be together Poetry-A Photograph <u>Snapshots</u> Chapter1 The Summer of the Beautiful White Horse Writing: Advertisement writing
Half Yearly Exam (6 Sep to 19 Sep)	Physics	Ch 2 Units and measurements Ch 3 Motion in a straight line Ch 4 Motion in a plane Ch 5 Laws of motion Ch 6 work energy and power Ch7 system of particles and rotational motion.
	Chemistry	Ch 1 Some Basic concepts of chemistry Ch2 Structure of Atom Ch 3 Classification of Elements and Periodicity of Properties Ch 4 Chemical Bonding and Molecular Structure
	Mathematics	L1- Sets L2- Relations and functions L3- Trigonometric functions L5- Complex numbers L6- Linear inequalities L7- Permutation & Combinations L8- Binomial theorem L9- Sequence & series

	Biology	Chapter-4: Animal Kingdom Chapter 5: Morphology of Flowering Plants Chapter 6: Anatomy of flowering plants Ch-7 Structural organisation in Animals Chapter-8: Cell-The Unit of Life Ch-9 Biomolecules Ch-10 Cell cycle and Cell division
	Computer	Ch 1-Computer system Overview Ch 2-Data representation Ch 3-Boolean logic Ch4-Introduction to problem solving Ch5-Getting started with python Ch6-Python fundamentals Ch 7-Data handling Ch8-Flow of Control Ch9-String Manipulation Ch10-List Manipulation
	Physical education	Ch.1- Changing trends & career in physical education Ch.2- Olympic Value Education Ch.3- Physical fitness, wellness & lifestyle Ch.4- Physical education & sports for CWSN Ch.5- Yoga
	English	Hornbill <u>Prose</u> Chapter1 The Portrait of a lady chapter2 We are not afraid to die... if we can all be together chapter 3 Discovering Tut: The Saga continues <u>Poetry-A Photograph</u> The Laburnum Top The voice of the Rain childhood <u>Snapshots</u> Chapter1 The Summer of the Beautiful White House The Address Mother's Day Writing: Advertisement writing /Poster writing Grammar:Tenses Grammar-Re-ordering/transformation of sentences
	Fine arts	L1- Art-An introduction L2-Art and the Culture L3-Origin and Development of Different forms of Fine Arts in India L4-Prehistoric Rock Paintings L5-Art of Indus Valley
Periodic Assessment – II	Physics	Ch8 Gravitation Ch9 Mechanical properties of solids Ch10 Mechanical properties of fluids Ch 11 Thermal properties of matter
	Chemistry	Ch8- Organic Chemistry Some basic principles and techniques Ch 9-Hydrocarbons Ch 5 Chemical Thermodynamics
	Mathematics	L10 - Straight lines L13- Limits and Derivatives

	Biology	Ch-13 Photosynthesis in Higher plants Ch-14 Respiration in plants Ch-15 Plant-Growth and Development Ch-17 Breathing and Exchange of gases
	Computer	Ch11-Tuples Ch12-Dictionaries Ch13-Understanding Sorting Ch14-Cyber Safety Ch15-Online Access and Computer Security Ch-16 Society, Law and Ethics
	Physical education	Ch.6- Physical activity & leadership training Ch.7- Test, Measurement & Evaluation Ch.8- Fundamentals of Anatomy, Physiology & Kinesiology in sports
	English	Hornbill: The Adventure Poetry-Childhood Father to Son Snapshots The tale of Melon City Writing:Speech Writing Grammar-Gap fillings exercises
	Fine arts	L6-The Art during Mauryan, Shunga, Kushana and Gupta Period L7-The Art of Ajanta Caves L8-Artistic Aspects of Indian Temple Sculptures
Annual Exam (16 Feb to 6 March)	Physics	Whole Syllabus
	Chemistry	Whole Syllabus
	Mathematics	Whole syllabus
	Biology	Whole syllabus
	Computer	Whole Syllabus
	Physical education	Whole Syllabus
	English	Whole syllabus
	Fine arts	Whole Syllabus