



COLUMBIA FOUNDATION SCHOOL

D – Block, Vikas Puri, New Delhi - 110018

SYLLABUS : (2018-19)

Class – X

Features & Guidelines

Complexity / Difficulty Level		
Level	Description	Notes
1	High (H)	Topic needs more attention
2	Medium (M)	Needs moderate attention
3	Easy (L)	Simple topic

- High Level of Difficulty implies more practice and parental guidance towards the topic.
- Classes for subjects like computer, Moral Science, General Knowledge, Drawing and Music are conducted once a week. Hence, the schedule is planned accordingly.
- In English, we have categorized the skills such as Reading, Writing, Vocabulary, Grammar, Speaking, and listening so that the child has a holistic approach towards the language.
- All the activities are relevant to the topic and are planned based on its difficulty level.
- Group activities will instill qualities such as teamwork, sharing and respecting others' opinion among the students.
- Most of the activities help to bridge the gap between theory and practical connecting the students to real life processes.
- Constant recapitulation of the topics helps in proper comprehension and retention of the concepts.
- All the activities in mathematics are designed to erase off fear from the minds of the learners towards the subject.
- Please refer to the syllabus before contacting us for any queries related to the syllabus.

ENGLISH

Month	Topic	Grammar/Writing
April	Lit. – The Frog & The Nightingale MCB – I am special so are you	Tenses Modals Four articles in a month
May	Lit. – Two Gentlemen of Verona Mirror	Two articles in a fortnight Story writing
July	The Dear Departed Not Marble Nor The Gilded Monuments MCB – Health and Medicine Novel Chapters 1 – 5	Direct and Indirect speech Story writing Letter writing Four articles in a month
Aug	Lit. – The Letter Mrs. Packletide's Tiger Novel Chapters 6 – 10 MCB – Education	Four articles in a month Subject verb agreement Official letters Editing / Omission
Sept.	Novel Chapters 11 – 14 Regular Revision Half Yearly Exam.	Grammar practice
Oct.	Lit. – Patol Babu, Film Star The Rime of the Ancient Mariner Ozymandias Novel Chapters 15 – 20 MCB - Science	Active and Passive Voice Four articles in a month
Nov.	Lit. – Julius Caesar Snake A Shady Plot Novel Chapters 21 – 23 MCB – Environment Travel and Tourism	Sentence Re-ordering
Dec.	Lit. - Virtually True MCB - National Integration Revision – Pre-Board – I	–
Jan.	Revision – Pre-Board – II	–
Feb./Mar.	Revision	

MATHEMATIC

Book – NCERT & R.D. SHARMA

Month	Topic	Activity
April	Ch-1 Real Numbers Ch-2 Polynomials Ch-15 Probability	Activity No – 1 & 2
May	Ch-3 Linear Equation Ch-6 Triangles	-
July	Ch-8 Introduction to Trigonometry Ch.-14 Statistics Ch-7 Coordinate Geometry	Activity No. 3, 4, 5
Aug.	Ch-4 Quadratic Equation. Ch-5 Arithmetic Progressions. Ch-12 Area Related of Circle.	Activity No.6, 7
Sept.	Revision / H.Y. Exam.	
Oct. & Nov.	Ch-13 Surface Area and Volume. Ch-9 Height & Distance. Ch-10 Circles Ch-11 Construction.	Activity No.1,2,3, 4,5, 6 of SA-II
Dec.	Revision / Pre – Board - I	
Jan.	Pre – Board - II	
Feb.	Revision	
March	CBSE BOARD	

PHYSICS

Month	Topics	Practical
Mar. & Apr.	Topic- 2 Electricity & its effect – electric circuit electric potential different and Ohm's law, resistance, factors affecting resistance of a conductor	Verification of Ohm's law
	Resistance in series and parallel Heating effect of electric current Practical application, domestic circuit	--
May	2. Magnetic effect of current – magnetic field , magnetic field due to currents carrying conductor	Determination of household circuit
	Magnetic field due to circular loop sources of energy	-
July	Fossil fuels thermal power plant , Hydro – power plant energy from sea	-
Aug.	Reflection of light, the law of reflection, spherical mirror, Mirror formula and magnification	Refraction of light through prism.
Sep.	Revision / H.Y. Exam.	
Oct.	Concave convex lens and lens formula, power & Refraction of light in details.	-
Nov.	Human eye & colorful world in details	-
Dec.	Revision / Pre – Board - I	
Jan.	Pre – Board - II	
Feb.	Revision	
March	CBSE BOARD	

CHEMISTRY

Month	Topic	Practical
Mar. & Apr.	Ch-1: Chemical Reaction & Equations	To study various types of reactions
May / June	Ch-2: Acids, Bases & Salts	To find the pH value of various Compounds
July	Ch-3: Metals & Non Metals Topic- Properties of Metals & Non-Metals.	To study the difference between acids & bases.
	Ionic Bonding Metallurgy & Corrosion	To check the reactivity of various metals.
Aug.	Ch-4: Carbon & its Compounds. Topic- Covalent bonding, allotropy, unique nature	To study the prop. of ethanoic acid.
Sept.	Revision / H.Y. Exam.	
Oct.	Ch-4: Cont..... Topic- Organic compounds Nomenclature & Types of Reactions	To study the preparation of soap.
Nov.	Ch-4: Cont..... Topic- Ethanol, Ethanoic Acid & Soaps - Detergent. Ch-5: Periodic Classification of Elements	To study the effect of soap in hard water soft water.
Dec.	Revision / Pre – Board - I	
Jan.	Pre – Board - II	
Feb.	Revision	
March	CBSE BOARD	

BIOLOGY

Month	Topics	Practical
April	Ch-6: Life Processes	• Light is necessary for photosynthesis
May	Ch-6: Life Processes	• Co ₂ released during respiration.-
July	Ch-7: Control & Coordination	• Stomata peel
Aug.	Ch-8: How do Organisms Reproduce?	-
Sept.	Revision / H.Y. Exam.	
Oct.	Ch-9: Heredity of Evolution	• To study binary fission & budding
Nov.	Ch-15: Our Environment Ch-16: Management of Natural Resources	• Osmosis with resins
Dec.	Revision / Pre – Board - I	
Jan.	Pre – Board - II	
Feb.	Revision	
March	CBSE BOARD	

हिन्दी

माह	स्पर्ष	संचयन	व्याकरण
अप्रैल	पाठ : बड़े भाई साहब साखी	हरिहर काका	शब्द-पद वाक्य (सरल, संयुक्त एवं मिश्र)
मई	झायरी का एक पन्ना बिहारी के दोहे	एसाइमेंट	समास
जुलाई	ततारा-वामीरी कथा मनुष्यता	सपनों के से दिन	अशुद्धि शोधन अपठित
अगस्त	पर्वत प्रदेश में पावस कर चलें हम फिदा	एसाइमेंट	महावारा पत्र लेखन
सितंबर	पतझर में टूटी पत्तियाँ	टोपी शूवला	संवाद लेखन, विज्ञापन
अक्टूबर	ताप, आत्मब्रान	एसाइमेंट	अनुच्छेद
नवम्बर	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति
दिसम्बर	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति
जनवरी	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति
फरवरी	पुनरावृत्ति	पुनरावृत्ति	पुनरावृत्ति

SOCIAL SCIENCE

Month	NCERT Book	Topic	Activity
Apr.	Geography Eco. Civics	L-1: Resources & Development L-1: Development L-1: Power Sharing L-2: Federalism	Map Work
May	Civics	L-3: Water Resources	Project Work: Dis. Management or Popular Struggle or Money & Credit
July	History Geography Civics Economics	L-6: Work, Life, Leisure * L-4: Agriculture L-3: Democracy and Diversity L-2: Sectors of Indian Eco L-3: Money & Credit	-
Aug.	Civics Geography History	** L-5: Popular Struggles L-4: Gender, Religion, Caste L-5: Mineral Resources L-1: Nationalism in India L-8: Novels, Society & History	Map Work
Sep.	Revision / H.Y. Exam.		
Oct.	Geography Civics Economics	***L6: Manufacturing Industries L-6: Political Parties L-4: Globalization & The Indian Economy L-5: Consumer Rights	Map Work
Nov.	Geography History Civics Economics	L-6: Lifelines of National Economy L-1: Nationalism in Europe L-7: Outcomes of Democracy L-8: Challenges to Democracy	Map Work
Dec.	Revision / Pre – Board - I		
Jan.	Pre – Board - II		
Feb.	Revision		
March	CBSE BOARD		

COMPUTER		
Month	Topic	Activity
Mar./ Apr	Ch. - 1 Introducing Internet	Activity: Search an information from five search engines
May	Ch. - 2 Internet and web services.	Activity: Create your mail id on Gmail and send one mail to your friend.
R E V I S I O N		
July	Ch-3 Introduction to Databases	Practical: Create a database of your class
Aug.	Ch-4 Ms Access	Practical: Apply queries on above database & print report also Submission of H.Y. Practical File with Softcopy and Printouts
R E V I S I O N		
Sep.	Ch-5 Basics of HTML Elements Ch-6: IT Applications	Activity: Introduction to web pages Practical: Create a simple web page displaying your name on the web page Practical: Create a web page by using list, HR tag , And format the paragraph using different styles
Oct.	Ch-7: HTML-II Images, Links & Tables Ch-8 :XML	Practical: Create a web page on My Library, having a list of books. The list should be ordered and unordered both. Make use of nested list also. Practical: Modify above we page by inserting image on the web page. Give alternative name to the web page. Set height, width of the web page & link that page with the web page called My school which you have designed earlier.
Nov.	Ch-9: IT Applications	Practical: Create a xml document on topic discuss in your class.
R E V I S I O N		
Dec.	Ch.– 10 Societal Impacts of IT	Activity: Search an information on various types of virus, malware, worms Submission of Final Practical file with softcopy and Printouts
R E V I S I O N		

ARTS & CRAFT

Month	Art	Activity
Apr. / May	<ul style="list-style-type: none"> • Introduction of colours • Textures • Colour tones 	<ul style="list-style-type: none"> • Canvas painting. • Landscape with modern art.
July / Aug.	<ul style="list-style-type: none"> • Monochromatic compositions • Warm and cool colours • Perspective view 	<ul style="list-style-type: none"> • Table cloth with stencil • T-shirt painting
Sep.	<ul style="list-style-type: none"> • Landscape with poster colour 	<ul style="list-style-type: none"> • Diwali Hanging
Oct. / Nov.	<ul style="list-style-type: none"> • Still life • Nature study • Calligraphy. 	<ul style="list-style-type: none"> • Book Cover design. • Rangoli design with sand paper • Study of Tribal Art.
Dec./Jan.	<ul style="list-style-type: none"> • Awareness poster 	<ul style="list-style-type: none"> • Study of wash painting.