

**Grade 10 Split up syllabus (2021 - 2022)**

Month	Working Days	ENGLISH- Name of Chapter	Content/ Subtopic	Activity	Grammar
March	8	FF-1 A letter to God	To enhance vocabulary by learning the meanings and usages of the phrases given in the text	Discussion of other related works of authors/ poets with resources from library.	Tenses, Complaint letter
		FF- Dust of Snow	To develop an In-depth understanding of different characters in the literature content.	Extensive reading practice to enhance Reading and Comprehension skills.	
		FF- Fire and Ice	To develop an In-depth understanding of different characters in the literature content.	Extensive reading practice to enhance Reading and Comprehension skills.	
April	21				Prepositions, Determiners, Analytical Paragraph Writing
		FP- A triumph of Surgery	Herriot with tears of joy in her eyes that she could not thank him enough for what he had done. "This is a triumph of surgery!" meant that the treatment that was given to Tricki had been successful.	Write the main Character sketch	
		FF- Nelson Mandela	To enhance vocabulary by learning the meanings and usages of the phrases given in the text	Discussion of other related works of authors/ poets with resources from library.	
		FF- A tiger in the Zoo	Appreciation of writing skills of the poet along with understanding of rhyming patterns, use of literary/poetic devices- figures of speech and usage of expressions with enriched vocabulary.	Write a Diary Entry on how you spent the day.	
		FP- The Thief's Story	The story is about a 15-year-old thief who changes his name every month to stay ahead of the police and old employers. This time he kept his name Hari Singh.	Short Summary of the story	
		FF- Two Stories about Flying	Evaluating personality traits for characters in different contexts given.	Solving additional Worksheets on Figures of Speech.	
June	19				Direct - Indirect speech, Article writing, Order letter, Diary writing
		FF- how to Tell Wild Animals	Appreciation of writing skills of the poet along with understanding of rhyming patterns,	Figures of Speech.	
		FF- The Ball Poem	This poem is about losing something which we love and then learning to grow up. It is about a little boy, who in his young life, for the first time, is learning what it is like to experience grief after the loss of a much-beloved possession which is here his ball	Find out the poetic devices	
		FP- The Midnight Visitor	The Midnight Visitor is a detective story written by Robert Arthur. The story is about a quick-witted secret agent Ausable. One day, he and his writer friend Fowler had gone out to spend an evening together.	Critical Analysis of the story	
		FF- Glimpses of India	Glimpses of India is a prose that has three parts: "I. A Baker from Goa", "II. Coorg" and "III. Tea from Assam". A baker from Goa is a story that relates to the time when there was Portuguese rule in Goa. The story is of a baker living in a Goan village. During those times people ate loaves of bread.	Role play of various characters in the literature.	

		FP- A Question of Trust	A Question of Trust was written by Victor Canning. This story is about a thief, Horace Danby who was a good citizen. He was an unmarried fifty-year-old man who used to work as a locksmith. He was a successful businessman too and had two helpers to assist him.	Critical Analysis of the story	
July	17(8+9)				
		FF- Amanda	The poem Amanda is about a small child whose parents are forever nagging her about what to do and what not to do. This frequent interference makes her very unhappy. It seems as if she is not free to do anything that she wants to do. She wants freedom from all restrictions.	Figure of speech	
		FF- From the Diary Of Anne Frank	Understanding of situation in which diary was written by Anne Frank and the famous episode of her classroom experience.	Write a Diary Entry on how you spent the day.	
		FF-Animals	In the poem animals, the poet has described his will to become an animal because he thinks animals are far better than human beings. Human beings are greedy and full of jealousy against each other. But animals are calm and self contained. The animals are happy with what they have.	Critical Writing of the poem	
August	21	FP- Footprints Without Feet	This lesson teaches us that we should not misuse the power that we have. In this chapter we see that Griffin stumbled upon a formula to become invisible. He did not share it with the other scientists but used it on himself.	Brief note about various Scientists	Kinds of Sentences,Active – passive voice,Enquiry letter, Modals
		FF- The Trees	"Trees" is a lyric poem by American poet Joyce Kilmer. Written in February 1913, it was first published in Poetry: A Magazine of Verse that August and included in Kilmer's 1914 collection Trees and Other Poems.	Write an article on trees	
		FF- The Proposal(Drama)	The Proposal is a one-act play that begins with a young man, Lomov presenting a marriage proposal to his neighbour's daughter. Before he could actually convey it to the girl, they enter into an argument about Oxen Meadows. Chubukov, the lady's father also joins the heated discussion.	Write a short Script	
		FF- Fog	Fog Summary is the summary of a poem that reflects Carl Sandburg's interest in nature. It beautifully captures the moment when the fog comes and moves.	Write a short poem	
September	10(7+3)	FP- The making of the Scientist	The Making of a Scientist' is a story about the leading scientist Richard Ebright. He was a curious child right from the beginning years of his life.	Short Summary	
October	16	FF- The Hundred Dresses -I & II	The Hundred Dresses is a beautiful story; it is based on the theme of discrimination, judgmental attitude people have for people around us.	Write a letter to the main Character	Clauses
		FP- The Necklace	"The Necklace" are greed, deceptive appearances, and beauty and vanity. Greed:	Character Sketch	
		FP- The Hack Driver	The Hack Driver' is the story of a very cunning manipulator Bill (Oliver Lutkins). It also shows that appearances are often deceptive. Once, the narrator, a junior clerk in a law firm, had to go to New Mullion to serve a summons to Oliver Lutkins.	Notice Making	
		FF- Mijbil the Otter	When Maxwell's dog Jonnie died, he became very sad. Life without a pet was quite lonely. When he visited Southern Iraq in 1959, he saw some Arab people having otters as pets. ... He named the otter, Mijbil.	flow chart	
November	11	FF- Madam Rides the Bus.	Through Valli in Madam Rides the Bus, Vallikannan depicts the curious nature of the children.	Is Valli, a protest ?	
		FF-The tale of Custard the Dragon	Incidentally, the poem gives the message that 'barking dogs seldom bite'. Those who boast of their bravery are rarely brave.		

		FP- Bholi	Bholi is the impact of family on children. Bholi is a little girl who fails to develop self-confidence because of her parents' attitude towards her.	Article Writing	
<b>December</b>	<b>20</b>	FF- The Sermon at Benares	The world is afflicted with death and decay.'Sermon At Benares' is the story of an unfortunate woman Kisa Gotami.	A note about Buddha	
		FP-The Book That Saved the Earth	Half-fed knowledge is always dangerous. It also tells how an old book of rhymes 'Mother Goose' saved the world from Martian invasion.	Role play	
		FF-For Anne Gragory	A young man discusses why a person falls in love, that is what determines it.	Summary of the poem	
<b>January</b>	<b>12</b>				
<b>February</b>	<b>22</b>				
<b>March</b>	<b>3</b>				

**Grade 10 Split up syllabus (2021 - 2022)**

Month	No. of working days	Hindi	Content/ Subtopic	Activity
March	8	पाठ-1 साखी	कवि परिचय, कवि की निर्गुण, बाह्य आडंबरो से युक्त दोहों का अध्ययन।	कवि का चित्र लगाकर पाठ्य पुस्तक से अतिरिक्त दोहों का चयन कर उसे लिखना।
		पाठ-2 पद	कवयित्री का परिचय कृष्ण भक्ति से ओतप्रोत काव्य का अध्ययन	कवयित्री का चित्र लगाकर पाठ्य पुस्तक से अतिरिक्त दोहों का चयन कर उसे लिखना।
April	21	पाठ-1 बड़े भाई साहब	बड़े भाई के आदर्श रूप की व्याख्या तथा वर्तमान परीक्षा पद्धति के दोषों	"शिक्षा रटत विद्या नहीं है" विषय पर कक्षा में परिचर्चा आयोजित करना।
		पाठ 2 डायरी का एक पन्ना	1931 में द्वितीय स्वतंत्रता दिवस कोलकाता में मनाए जाने का आंखों	स्वतंत्रता आंदोलन में योगदान देने वाली किसी एक महिला का चित्र सहित वर्णन करना
		शब्द, पद, पदबंध	शब्द पद और पदबंध की परिभाषा बताना तथा उसकी पहचान करना।	अन्य प्रबंधों की पहचान करना।
		अनुच्छेद लेखन	सांकेतिक बिंदुओं के आधार पर अनुच्छेद लिखना।	किसी एक तात्कालिक विषय पर अनुच्छेद लेखन करना।
June	19	पाठ-3 दोहे पाठ-1 हरिहर काका (संचयन) वाक्य रूपांतरण	बिहारी के श्रृंगार एवं नीतिपरक दोहों का वर्णन। ऐसे व्यक्ति की दीन हीन दशा का वर्णन जिसका कोई उत्तराधिकारी ना वाक्यों के प्रकार की जानकारी देना।	"वर्तमान समय में बिहारी के दोहों की प्रासंगिकता" पर कक्षा में चर्चा करना। अपने पड़ोस में रहने वाले ऐसे व्यक्ति के बारे में कक्षा में बताना और उसमें आप की अन्य उदाहरणों द्वारा वाक्य रूपांतरण करना।
July	17(8+9)	पाठ-3 ततारा वामीरो कथा	प्राचीन रुढ़ियों पर आधारित पाठ।	"प्राचीन रुढ़ियां हमारे जीवन में कितना महत्व रखती हैं" विषय पर वाद-विवाद करवाना।
		पाठ-6 अब कहां दूसरों के दुख में दुखी होने वाले	जीव दया पर आधारित पाठ।	अपने स्वयं के जीवन में जीव दया के महत्व को स्पष्ट करते हुए किसी एक रोचक प्रसंग को सुनाना।
August	21	पाठ-4 मनुष्यता	मनुष्य जीवन की सार्थकता की व्याख्या करना।	मनुष्यता से जुड़ी हुई किसी अन्य कविता को सुनाना।
		पाठ-5 पर्वत प्रदेश में पावस	पर्वतों पर वर्षा ऋतु के प्राकृतिक सौंदर्य का वर्णन।	प्राकृतिक सौंदर्य से जुड़ी कोई अन्य कविता का पाठ कक्षा में करना।
		पाठ- 2 सपनों के से दिन (संचयन)	बचपन की यादों को आत्मकथा के रूप में कहना।	बचपन की किसी ऐसी घटना का वर्णन कक्षा में करना जो आज तक याद है।
September	10(7+3)	मुहावरें	मुहावरों का अर्थ एवं वाक्य प्रयोग बताना।	मुहावरों पर आधारित अंताक्षरी करवाना।
		पत्र लेखन	पत्र लेखन के औपचारिक प्रारूप को बताना तथा वर्ण विषय के प्रस्तुतीकरण को स्पष्ट करना।	तात्कालीन विषय पर पत्र लेखन करवाना
October	16	पाठ-8 कर चले हम फिदा	देश प्रेम पर आधारित कविता।	देश प्रेम की अन्य कविता लिख कर देना।
		पाठ-9 आत्मत्राण	मानव जीवन में कर्म की महत्वता को स्पष्ट करना।	अन्य देश प्रेम की जोशीली कविता का प्रस्तुतीकरण करना।
		समास	समास की परिभाषा एवं विभिन्न प्रकारों का अध्ययन करना	सामासिक शब्द युक्त वर्ग पहेली बनाना।
November	11	सूचना लेखन	सूचना लेखन की प्रारूप एवं विषय वस्तु लेखन की जानकारी प्रदान करना।	तत्कालीन विषय पर सूचना लिखना।
		पाठ-7 पतझड़ में टूटी पतियां	मानसिक तनाव को कम करना एवं यथार्थवाद के साथ आदर्शवाद की स्थापना करना।	मानसिक तनाव को कम करने वाली कारणों पर कक्षा में चर्चा करना।
December	20	पाठ-8 कारतूस	स्वतंत्रता सेनानी वजीर अली से जुड़ी एकांकी।	एकांकी का मंचन कक्षा में समूह रूप में करना।
		कथा लेखन पाठ-3 टोपी शुक्ला (संचयन)	कथा लेखन की नियमों को समझाना। सच्ची मित्रता से जुड़ी कहानी तथा बाल मन पर बड़ों के किए गए कार्यों के का प्रभाव का वर्णन।	अमुक विषय पर कथा लेखन करना। अपने किसी अन्य धर्म के मित्र की जानकारी कक्षा में देना।
January	12			
February	22			



Month	No. of working days	Mathematics		
		Name of Chapter	Content/ Subtopic	Activity
March	8	Real Numbers	Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of square root, irrationality of square roots, class 10 real numbers, decimal representation of rational numbers in terms of terminating/non-terminating recurring decimals	Activity 1: Draw 0-9 in two Indian Language and International Language. Activity: Write an article on "Evolution of Number System" (Art & History Integration)
		Polynomial	Basic concept of Polynomial, Form quadratic and cubic equation when zeroes are given	Activity 1: Make Graph of linear, quadratic and cubic equation in Excel and find zeroes. (IT Integration)
April	21	Polynomial	Zeros of a polynomial. Relationship between zeros and coefficients of quadratic polynomials. Division Algorithm, Find zeroes of by quadratic equation	Activity: Conduct housewise quiz.
		Quadratic Equation	Standard form of a quadratic equation $ax^2 + bx + c = 0$ , ( $a \neq 0$ ). Solutions of quadratic equations (only real roots) by factorization, and by using quadratic formula. Relationship between discriminant and nature of roots.	Activity: Students will draw situation of given situation solve the application and explain with the graphics.
June	19	Probability	Classical definition of probability. Simple problems on finding the probability of an event.	Make probability game.
		Pair of Linear Equation with two variable	Pair of linear equations in two variables and graphical method of their solution, consistency/inconsistency. Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination. Simple situational problems. Simple problems on equations reducible to linear equations.	Activity: using graph to check consistency of equations and plotting them.
July	17(8+9)	5. Arithmetic Progressions	Motivation for studying Arithmetic Progression Derivation of the nth term and sum of the first n terms of an A.P.	1) To verify using a graphical method that a given sequence of numbers is an arithmetic progression (AP) 2) Write use of AP in Real life and explain with examples
		6. Triangles	Similar figures, Criteria for similarity of triangles, Areas of similar triangles. Pythagoras theorem.	1. To verify BPT by paper cutting and pasting. 2. Give some prove where peer explain to each other 3. To verify Pythagoras theorem by paper cutting and pasting.
August	21	7. Coordinate Geometry	Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division).	
		8. Introduction to Trigonometry	Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined). Values (with proofs) of the trigonometric ratios of 30°, 45° and 60°. Relationships between the ratios. Ratios of complementary angles and trigonometric identities.	
September	10(7+3)	13. Surface Areas and Volumes	Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones. Problems involving converting one type of metallic solid into another and other mixed problems. (Problems with combination of not more than two different solids be taken).	□ To get the formula for the volume of a right circular cone and hemisphere experimentally.
		14. Statistics	Mean Median and Mode of grouped data. Graphical representation of cumulative freq. distribution	Survey on current topics or situations
		10. Circles	Tangent to a circle at, point of contact. 1. (Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact. 2. (Prove) The lengths of tangents drawn from an external point to a circle are equal.	To prove that the tangents drawn from an external point to a circle are equal in lengths by paper cutting and pasting.
November	11	11. Constructions	Division of a line segment in a given ratio (internally). Tangents to a circle from a point outside it.	
		12. Areas Related to Circles	Calculate the area of a circle; area of sectors and segments of a circle. Problems based on areas and perimeter / circumference of the above said plane figures. Find area of shaded region	Calculate the areas of given combinations of figure in worksheet
December	20	9. Some Applications of Trigonometry	problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only 30°, 45°, 60°.	Students will find height or distance of their house, tree or tower near by them.
January	12	REVISION		
February	22	REVISION		

Month	No. of working days	Science(Physics)	Content/ Subtopic	Activity
March	8	12. Electricity	Charge. Types of charges and its properties. Electric current, cause of an electric current, Potential, potential difference and electric current. Ohm's law, Graph and interpretation, Resistance, Resistivity, Factors on which the resistance of a conductor depends.	Verification of Ohm's Law and plotting a graph between V and I
April	21	12. Electricity	Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.	Determination of the equivalent resistance of two resistors when connected in series and parallel.
June	19	13. Magnetic effects of current	Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid, Force on current carrying conductor, Fleming's Left Hand Rule, Electric Motor, Electromagnetic induction. Induced potential difference, Induced current.	To draw the magnetic field line of a bar magnet
July	17(8+9)	13. Magnetic effects of current	Fleming's Right Hand Rule, Electric Generator, Direct current, Alternating current, frequency of AC, Advantage of AC over DC, Domestic electric circuits.	Tracing the path of a ray of light reflected from a mirror for different angles of incidence. Measure the angle of incidence, angle of reflection and interpret the result.
August	21	10. Light - Reflection	Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification.	Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
September	10(7+3)	10. Light - Refraction	Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens.	Determination of the focal length of: i) Concave mirror ii) Convex lens by obtaining the image of a distant object.
October	16	11. The Human Eye	Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses.	Finding the image distance for varying object distances in case of a convex lens and drawing corresponding ray diagrams to show the nature of image formed.
November	11	11. The Human Eye and the colourful world	Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life	Tracing the path of the rays of light through a glass prism.
December	20	14. Sources of energy	Different forms of energy, conventional and non-conventional sources of energy: Fossil fuels, solar energy; biogas; wind, water and tidal energy; Nuclear energy. Renewable versus non-renewable sources of Energy.	<b>General discussion:-</b> How the depletion of fossil fuels is a serious global issue.
January			<b>PRE BOARD EXAMINATION</b>	

Month	No. of working days	Science (Chemistry)	Content/ Subtopic	Activity
March	8	1. Chemical reactions and equations	Writing a chemical equation Balancing a chemical equation Types of chemical reactions Corrosion Rancidity	Real Life Application of Redox reaction
April	21	1. Chemical reactions and equations (Contd.)	Understanding the chemical properties of acids and bases What do all acids and bases have in common? Important of pH in everyday life More about salts, pH of salts	
June	19	2. Acids, Bases and Salts	Importance of pH in everyday life. Chemicals from common salt Chlor alkali process Bleaching powder	To classify the reactions as i) combinations ii) Decomposition etc
July	17(8+9)	2. Acids, Bases and Salts	Baking soda Washing soda Water of crystallization Plaster of paris	To classify the reactions
August	21	3. Metals and Non-Metals	Physical properties of metals and non-metals Chemical properties of metals Double displacement reaction The reactivity series How do metals and nonmetals react?	To study the properties of acids and bases by their reactions
September	10(7+3)	3. Metals and Non-Metals (Contd..)	Properties of ionic compounds Occurrence of metals Extraction of metals Refining of metals Corrosion Prevention of corrosion	
October	16	Chapt. 4. Carbon and its compounds	Bonding in carbon Lewis dot structure Versatile nature of carbon Saturated and unsaturated carbon compounds Chains branches and rings	To observe the action of Zn, Fe, Cu, Al on various salt solutions
November	11	Chapt. 4. Carbon and its compounds	Homologous series Nomenclature of carbon compounds Combustion Oxidation Addition reaction Substitution Some important compounds of carbon Soaps and detergents	To study the properties of acetic acid
December	20	Chapt. 5. Periodic classification of elements	Classification of elements Concept and limitations Position of elements in the modern periodic table Trends in modern periodic table, Valency Atomic size metallic and non-metallic properties	To study saponification reaction for the preparation of soap
January	12		REVISION	
February	22		REVISION	

**Grade 10 Split up syllabus (2021 - 2022)**

Month	No. of working days	Science(Biology)	Content/ Subtopic	Laboratory Experiments/ Subject Enrichment Activities/Projects
March	8	6. Life Processes(Bio)	Nutrition-types Of Nutrition Autotrophic and Heterotrophic, Respiration-anaerobic And Aerobic Respiration, Oxidation of Glucose Human Respiratory system-Structure and mechanism of Respiration	1.Meal Planning, 2. To prepare a temporary mount of a leaf peel to show stomata 3.To show experimentally that light is necessary for photosynthesis 4.To show experimentally that co2 is given out during respiration by use of KOH solution
April	21	6. Life Processes(contd...)(Bio)	Transportation-Circulatory System In Human Being And Transportation In Plants, Excretion- in lower organism, Excretory System of Human Being-Structure and functions of Nephron, Mechanism of Urine formation	5. To show experimentally that co2 is given out during respiration by use of lime water 6.To organise rangoli competition on various life process in Humans to bring out creativity among student.
June	19	7. Control And Coordination(Bio)	Nervous System-Animals Structure And Function Of Neuron, Reflex Arc And Reflex Action, Coordination In Plants -trophic Movement And Nastic Movements Endocrine System in Humans-Glands And Hormones	7.Neuron Friend Activity
July	17(8+9)	8. How Do Organisms Reproduce?(Bio)	Reproduction and its types Modes Of Reproduction in Unicellular Organisms -fission,budding,regeneration, Fragmentation And Vegetative Propagation in plants	8. To study binary fission in Amoeba and budding in yeast with the help of prepared slide 9.Collect data and prepare detailed file of 10 different plants species that can be grown using different techniques of Vegetative propagation
August	21	8. How Do Organisms Reproduce?(contd...)(Bio)	Sexual Reproduction In Flowering Plants- Structure of flower, Pollination, Formation of Pollen tube and concept of Double Fertilization, Reproduction In Human Beings-Male And Female Reproductive System, Fertilisation And Reproductive Health	10.To identify the different parts of an embryo of a dicot seed
September	10(7+3)	9. Heredity And Evolution (Bio)	Heredity -Laws For The Inheritance Of Traits –Mendel's Contributions, Monohybrid and dihybrid crosses, Acquired And Inherited Traits	11. To study Mendelian inheritance using seeds of different colour/sizes of any plants.
October	16	9. Heredity And Evolution contd... (Bio)	Sex Dterminations in humans, Evolution Evolution and Speciation, Evolution and Classification, Tracing Evolutionary Relationship-Evidences of Evolution, Fossils,Human evolution	12. To study homology and analogy with the help of preserved samples of plants and animals.
November	11	15. Our Environment	Eco-system and its components-food Chain And Food Web, Ecological pyramids: mass ,energy and parasitic pyramids, Ozone layer and its depletion Management of garbage	
December	20	16. Management Of Natural Resources(Bio)	Natural Resources and its types, Forests And Wild Life -stakeholders And Sustainable Management, Water for all, Dams, water harvesting Coal and Petroleum, Management practices for natural Resources	13. Collect information about forest and wildlife resources of any five states of India and highlight various steps taken to conserve natural resources in these states after Independence till date.
January	12		Revision	



Month	No. of working days	Soc. Sci	Content/ Subtopic	Activity
March	8	Pol- cha-1 Power sharing	Belgium and Sri Lanka, Majoritarianism in Sri Lanka, Why power sharing is desirable, forms of power sharing.	Flow chart on types of power sharing.
		Geo-cha-1 Resources and Development	Resources, type of resources, development of resources, resource planning in India, land use pattern in India.	Group discussion on conservation of resources
April	21	His- cha-3 Nationalism In India	The first world war, k hilafat and non-cooperation, differing strands within the movement, towards civil disobedience, the sense of collective belonging.	Make a report on comparative analysis of two great personalities i.e. Martin Luther King Jr. and Mahatma Gandhi
		Pol- cha-2 Federalism	What is federalism? Features of federalism, What makes India a federal country? How is federalism practiced?	List out 10 unitary and federal countries in the world.
		Eco- cha-1 Development	What development promises, characteristics of development, income and other goal, national development, public facilities, how to compare different countries, sustainable development	Each student collect information on topic related to sustainable development Through magazine or newspapers or from people .Newspaper Article
		Eco- cha-3 Money and Credit	Role of money in economy, formal and informal financial institutions, savings and credit, self help groups.	Showing a video for banking setor development
June		Geo-Cha-2 Forest and Wildlife Resources	Biodiversity or biological diversity, flora and fauna in india , vanishing forest, Asiatic cheetah: Where did they go?, The Himalayan yew in trouble, conservation of forest and wild life in India, project tiger, types and distribution of forests and wild life resources, community and conservation.	Quiz on conservation of resources
		Pol- cha-3 Democracy and diversity	(P) Case studies of Mexico Differences, Similarities, divisions, politics of social divisions.	Documentary on Gandhi or view a film on Gandhi.
July		Geo-cha-3 Water Resources	Water some facts and figures, Water scarcity and need for water conservation, Multipurpose river projects, rainwater harvesting.	Leaflet making on water as a resource
		Pol- cha-4 Gender religion and Caste	(P) Religion, Communalism and politics, Caste and politics, Gender inequality.	Group discussion on Gender discrimination in India
August	21	Eco- cha-2 Sectors of Indian Economy	Sectors of economic activities, comparing the three sectors, division of sectors as organized and unorganized, sectors in terms of ownership.	Organize group discussion on how government taking serious steps to remove unemployment
		Geo- cha- 4 Agriculture	Agriculture, Types of Farming, Impact of globalization on Agriculture, cropping pattern, major crops, technological and institutional reforms.	Class discussion on the recent farmers' protest
		His- cha-1 The Rise of Nationalism in Europe	( H )The French revolution and the idea of nation, the making of nationalism in Europe, The age of revolutions: 1830-1848 The making of Germany and Italy , visualizing the nation, nationalism and imperialism	Group Discussion: European Nationalism and Anti-Colonial Nationalism.
September	10(7+3)	Eco- cha-4 Globalisation and Indian Economy	What is Globalization? How India is being globalised and why? Development strategy prior to 1991, Different perspectives on globalization and its impact on different sectors	Newspaper Article Analysis
		His- cha-5 Industrialization	(H) Before Industrial revolution, The coming up of the factory, Peculiarities of industrial growth, hand labour and steam power, industrialization in the colonies.	Picture analysis: The Down of the century & The two magicians.
October	16	His- cha-5 Industrialization	Before Industrial revolution, The coming up of the factory, Peculiarities of industrial growth, hand labour and steam power, industrialization in the colonies.	
November	11	His- cha-5 Industrialization (conti.....)	Before Industrial revolution, The coming up of the factory, Peculiarities of industrial growth, hand labour and steam power, industrialization in the colonies.	
		Geo- cha- 5 Minerals and Energy Resources	Types of minerals , distribution, use and economic importance of minerals, conservation, types of power resources, conventional and non – conventional energy resources and their conservation, ferrous and non-ferrous minerals, non metallic minerals, rock minerals.	Throw some light on recent developments taken in the field of Non conventional energy resources In India
December	20	Pol- cha- 6 Political Parties	Why do we need political parties? Which are the major political parties in India? National parties, state parties, challenges to political parties, how can parties be reformed?	Debate on political parties to be included in RTI Act.
		Eco- cha- 5 Consumer Rights	How consumer is exploited? Factors causing exploitation of consumers, Rise consumer awareness, role of government in consumer protection.	Role play in class
		Geo-cha-7 Life lines of Economy	Different types of transport and its advantages and short comings, how it play a role in Indian economy and life of the people.	Discussion on how COVID-19 affected the lifelines of economy
January	12	Geo- cha -6 Manufacturing Industries	Types, contribution of industries to the national economy, industrial pollution and degradation of environment and measures to control them.	Newspaper Article Analysis
		Pol- cha-7 Outcomes of democracy Pol- cha-8 Challenges to democracy	(P) Can or should democracy should be judged by it outcomes? Has democracy led to development, security, and dignity for the people? (Pol) Is the idea of democracy shrinking? What are the major challenges to democracy in India? How democracy can be reformed and deepened? What role can an ordinary citizen can play in deepening democracy	Group Discussion on merits and Demerits of democracy
January	12		<b>REVISION</b>	
February	22		<b>REVISION</b>	



Month	No. of working days	Information Technology(I.T 402)	Content/ Subtopic	Activity
March	8	UNIT 1: DIGITAL DOCUMENTATION (ADVANCED)		Practical based on Word formatting
		Chapter-1: Applying Styles in the Document	Styles/ categories in Word Processor, Styles and Formatting window, Fill Format, Creating and updating new style from selection, Load style from template or another document, Creating a new style using drag-and-drop, Applying styles.	<ol style="list-style-type: none"> <li>List style categories.</li> <li>Select the style from the Styles and Formatting window.</li> <li>Use Fill Format to apply a style to many different areas quickly.</li> <li>Create and update new style from a selection.</li> <li>Load a style from a template or another document.</li> <li>Create a new style using drag-and-drop.</li> </ol>
		Chapter-2: Adding Graphics in a Document	Options to insert image to document from various sources, Options to modify, resize, crop and delete an image, Drawing objects and its properties, Creating drawing objects and changing its properties, Resizing and grouping drawing objects, Positioning image in the text.	<ol style="list-style-type: none"> <li>Insert an image to document from various sources.</li> <li>Modify, resize, crop and delete an image.</li> <li>Create drawing objects and set or change the properties of a drawing object.</li> <li>Position the image in the text.</li> </ol>
April	21	Chapter-3: Working with Templates	Templates, Using predefined templates, Creating a template, Set up a custom default template, Updating a document, Changing to a different template, Using the Template.	<ol style="list-style-type: none"> <li>Using predefined templates or by creating a template.</li> <li>Set up a custom default template.</li> <li>Updating a document and changing to a different template.</li> </ol>
		Chapter-4: Using a Table of Contents	Table of contents, Hierarchy of headings, Customization of table of contents, Character styles, Maintaining a table of contents.	<ol style="list-style-type: none"> <li>Create table of contents and define a hierarchy of headings.</li> <li>Customize a table of contents.</li> <li>Apply character styles.</li> </ol>
		Chapter-5: Using Mail Merge	Advance concept of mail merge in word processing, Creating a main document, Creating the data source, Entering data in the fields, Merging the data source with main document, Editing individual document, Printing a letter and its address label.	Demonstrate to print the label using mail merge, perform the following steps- <ol style="list-style-type: none"> <li>Create a main document,</li> <li>Create the data source,</li> <li>Enter data in the fields,</li> <li>Merge the data source with main document and edit individual document,</li> <li>Print the letter and address label.</li> </ol>
		UNIT 3: DATABASE MANAGEMENT SYSTEM		Practical based on Database concepts
		Chapter-10: Concepts of Database Management System	Concept and examples of data and information, Concept of database, Advantages of database, Features of database, Concept and examples of Relational database, Concept and examples of field, record, table, database, Concept and examples of Primary key, composite primary key, foreign key, Relational Data base management system (RDBMS) software.	<ol style="list-style-type: none"> <li>Prepare the sample table with some standard fields.</li> <li>Assign the primary key to the field,</li> <li>Identify the primary key, composite primary key, foreign key.</li> </ol>
June	19	Chapter-11: Creating and Using Tables	Introduction to a RDBMS, Database objects – tables, queries, forms and reports of the database, Terms in database – table, field, record, Steps to create a table using table wizard, Data types in Base, Option to set primary key Table Data View dialog box , DDL Commands.	Practice to create different tables from the available list and choosing fields from the available fields. <ol style="list-style-type: none"> <li>Assign data types of field, Set primary key.</li> <li>Edit the table in design view, Enter the data in the fields.</li> <li>Create and edit table using DDL Commands.</li> </ol>
		Chapter-12: Performing Operations on Tables	Inserting data in the table, Editing records in the table, Deleting records from the table, Sorting data in the table, Referential integrity, Creating and editing relationships and Field properties.	<ol style="list-style-type: none"> <li>Insert data in the table, Edit records in the table, Delete records from table, Sort data in the table.</li> <li>Create and edit relationships one to one, one to many, many to many.</li> <li>Enter various field properties.</li> </ol>
July	17(8+9)	Chapter-13: Retrieve Data Using Query	Defining query, Creation of query using design view, Editing a query, Applying criteria in query – single field, multiple fields, using wildcard, Performing calculations, Grouping of data, Structured Query Language (SQL).	<ol style="list-style-type: none"> <li>Prepare a query for given criteria.</li> <li>Create query using wizard, and using design view.</li> <li>Apply various criteria in query – single field, multiple fields, using wild card.</li> <li>Performing calculations by using basic SQL commands.</li> </ol>
		Chapter-14: Working with Forms and Reports	Forms in Base, Steps to create form using Form Wizard, Options to enter or remove data from forms, Modifying form, Changing label, background, Searching record using Form, Inserting and deleting record using Form View, Concept of Report in Base, Creating Report using wizard, Steps to create Report using Wizard.	<ol style="list-style-type: none"> <li>Illustrate the various steps to create Form using Form Wizard.</li> <li>Enter or remove data from Forms.</li> <li>Modify Forms, change label, background.</li> <li>Search record using Form.</li> <li>Insert and delete record using Form View.</li> <li>Create Report using Report Wizard.</li> </ol>
August	21	UNIT 2: ELECTRONIC SPREADSHEET (ADVANCED)		Practical based on Excel
		Chapter-6: Analyse Data in Spreadsheet	Using consolidating data, Creating subtotals, Using "what if" scenarios, Using "what if" tools, Using goal seek and solver.	Analyse data using scenarios and goal seek.
		Chapter-7: Link Data and Spreadsheets	Setting up multiple sheets, Creating reference to other sheets and documents by using keyboard and mouse, Relative and absolute hyperlinks, Hyperlinks to the sheet.	Practical based on Link data and spreadsheets option in Excel.
		Chapter-8: Share and Reviewing a Spreadsheet	Setting up a spreadsheet for sharing, Opening and saving a shared spreadsheet, Recording changes, Add, Edit and Format the comments, Reviewing changes, Merging and comparing.	Practical based on Share and Reviewing a Spreadsheet in Excel.

September	10(7+3)	Chapter-9: Using Macros in a Spreadsheet	Using the macro recorder, Creating a simple macro, Using a macro as a function, Passing arguments to a macro, Passing the arguments areas values, Macros to work like built-in functions, Accessing cell directly, Sorting the columns using macro.	Create and Use Macros in spreadsheet.
October	16	UNIT 4: WEB APPLICATIONS AND SECURITY		Practical based on working with Accessibility,Blogs and Security .
		Chapter-15: Working With Accessibility Options	Understand various types of impairment that impact computer usage, Computer Accessibility Dialog box and its tabs, Serial Keys.	
		Chapter-16: Networking Fundamentals	Network and its types, Client Server Architecture, Peerto-peer (P2P) Architecture, internet, World Wide Web, benefits of networking, internet, getting access to internet, internet terminology, Some of the commonly used Internet connectivity options.	
		Chapter-17: Introduction to Instant Messaging	Learn key features of instant messaging, Creating an instant messaging account, Launching Google Talk, Signing In into your Google Talk Account.	
		Chapter-18: Chatting Using Google Hangouts	Learn to chat with a contact that is already added to your contact list, Sending text chat messages instantly by double-clicking on a contact, General rules and etiquettes to be followed while chatting, Chatting on various types of messengers	
November	11	Chapter-19: Creating and Publishing Blogs	Learn and appreciate a blog and its creation with the help of some blog providers, Set up title and other parameters in a blog posting comments, Using offline blog editors.	
		Chapter-20: Using Offline Blog Editors	Concept to create blogs using a blog application and publish the blog whenever internet connectivity is available.	
		Chapter-21: Online Transaction	Concept of e-commerce and various online applications, importance of secure passwords.	
December	20	Chapter-22: Internet Security	Need of internet security, cyber threats like phishing, email-spoofing, char spoofing, best practices for internet security and secure passwords, concept of browser, cookies, backup, antivirus, clearing data in browsers.	
		Chapter-23: Importance of Workplace Safety	Basic safety rules to follow at workplace – Fire safety, Falls and slips, Electrical safety, Use of first aid, Case Studies of hazardous situations.	
		Chapter-24: Prevent Accidents and Emergencies	Accidents and emergency, Types of Accidents, Handling Accidents, Types of Emergencies	
		Chapter-25: Protect Health and Safety at work	Hazards and sources of hazards, General evacuation procedures, Healthy living	
January	12	Part A: EMPLOYABILITY SKILLS	1. Communication Skills-II 2. Self-Management Skills-II 3. Information and Communication Technology Skills-II 4. Entrepreneurial Skills-II 5. Green Skills-II	
February	22		Revision	

**Grade 10 Split up syllabus (2021 - 2022)**

Month	No.of working days	Sanskrit	Content/ Subtopic	Activity
March	8			
April	21			
June	19			
July	17(8+9)			
August	21			
September	10(7+3)			
October	16			
November	11			
December	20			
January	12			
February	22			
March	3			

Grade 10 Split up syllabus (2021 - 2022)				
Month	No. of working days	Sanskrit	Content/ Subtopic	Activity
March	8	Chp 1: Investment Basics	- Savings vs Investment, Stock Exchange and Electronic Shares	Calculate Bank and Post Office Deposits, Collection Market Return Charts and Sheets, Discuss, Fill DRF (Demand Request Form)
April	21	Chp 2: Securities	Securities Market, Regulators, Market Participants	Watch Business Channels, Role Play of SEBI Representative
June	19	Chp 3: Primary Market	New Issue market, Issue of shares, Saturated prospectus	Visit stock exchange website, Class discussion, Learn how to fill IPO
		Chp 4: Secondary Market	Securities Market, Stock Exchange, Trading and Equity Investment	Electronic Trading, Participate in live/ mock trading & visit www.nit.co.in
July	17(8+9)	Chp 5: Derivatives	Futures and options market, Commodity	Mock Trading Techniques of Derivatives, Trading Techniques Basics of Commodity Market
August	21	Chp 6: Depository	Holding of Securities, Ownership, Dematerialisation	Discussion on Physical Securities
		Chp 7: Mutual Fund	Basics of mutual fund, Active/Passive fund	Role play: Portfolio Manager
September	10(7+3)	Chp 8: Miscellaneous	Corporate Actions, Index, Clearing and Settlement, Post market activities	Presentation on Nifty - 50
		Chp 9: Concepts and Mode of Analysis	Time value of money, Annual report, Accounting terms and technologies	Frame the Procedure of Loan and its Requirements, Practice through Log Book and Scientific
November	11	ChP 10: Ratio Analysis	Liquidity ratio, Leverage/capital structure and profitability ratio	Doing sums and analysis
December	20	ChP 10: Ratio Analysis	Liquidity ratio, Leverage/capital structure and profitability ratio	Doing sums and analysis
		Project work, Revision, Employability skills presentation		
January	12	Revision		
February	22			
March	3			