

Month	No. of working days	English	Content/Sub Topic	Activity
April	21	The Fun They Had [PROSE(Beehive)]	Detailed explanation on Traditional and Virtual classrooms along with the meaning of difficult words.	Solve exercise from the textbook
		The Last leaf[SUPPLEMENTARY READER(Moments)	It's a story in which Behrman, a painter inspires a girl to live and in the process, loses his life.	Short paragraph on how human is connected with nature.
		Tenses(grammar)	Explanation of tenses and its changes while framing sentences.	Make a table format of Tenses.
		Notice writing	Understanding of the format of writing notices.	Notice writing
		Story Writing	Understanding the strategies and elements of a story.	Story Writing
June	19	The Sound of Music [PROSE(Beehive)]	Introduction of the author, his literary works, genre, content characters, main protagonist, theme, plot, sub plot, discussion and explanation of textual as well as value based questions	Discussion-Have you come across people who are differently-abled and still achieved success in their life.
		The Road Not Taken [POETRY]	Introduction of the poet,work, theme of the poem and appreciation of poetic writing skills.	*Present your views on have you made choices that are acceptable and less 'risky' or have you followed the beaten/riskytrack? Why?
		The Lost Child[SUPPLEMENTARY READER(Moments)	Introduction of the author, his literary works, genre, content characters, main protagonist, theme, plot, sub plot, discussion and explanation of textual as well as value based questions	Describe one of the learners and see if the class can guess who you are describing, then learners do the same in pairs.
		Modals(grammar)	Understanding Modals and their usage in completing and joining sentences.	
		Formal letter(compliant)	Understanding the format of compliant letter.	Letter Writing
July	17(8+9)	The Little Girl [PROSE(Beehive)]	Describe and analyse the kind of relationship between Kezia and her parents;	Write three expectations you think your parents should fulfill and three which they want you to consider.
		Rain on the Roof [POETRY]	Introduction of the poet, and poem theme.	Poem recitation
		Use of passive voice (grammar)	Explanation of the rules of Passive Voice.	Solve the given sentences from passive to active voice.
		Formal letter(order letter)	Understanding the format by the examples.	Letter Writing
August	21	The Bond of Love[PROSE(Beehive)]	Kenneth Anderson conveys the message that the animals also have as much affection and love as human beings.	
		A Legend of the Northland[POETRY]	Understanding the culture, lifestyle and belief of the people living in the region and to acquaint the students with a Mythological stories.	Discuss few stories which can be considered as Legend.
		The Adventures of Toto[SUPPLEMENTARY READER (Moments)	To comprehend the gist of the story.	Discuss about the character sketches.
		Subject – verb concord(grammar)	Explanation with examples.	
		Formal letter (Application)	Explanation of the format to write an application.	Application Letter.
September	10(7+3)	A Truly Beautiful Mind[PROSE (Beehive)]	Class Discussion-Who do you think of, when you hear the word 'genius'? Who is a genius — what qualities do you think a genius has?	Science is a good slave but a bad master. Elaborate the same with reference to the life of Albert Einstein as given in the chapter 'A Truly Beautiful Mind'.
		On Killing a Tree [POETRY]	Understanding the poem by doing simple tasks and learning words with similar meanings.	Write two slogans on the theme –Save Trees
		In the Kingdom of Fools[SUPPLEMENTARY READER (Moments)	Inculcate the morals and values in students by explaining it in detail.	
		Reported speech(grammar)	Explanation of the rules and its usage.	Make a table of the rules of reported speech.
		Article writing	Essentials on article writing.	Write an article on given topic.
October	16	Story writing	Write a story on given topic for practice.	
		The Snake and the Mirror[PROSE (Beehive)]	It highlights the fact that one should not be proud of oneself because whatever one has is a gift of God.	
		The Beggar[SUPPLEMENTARY READER(Moments)	Understand the relationship between self-awareness, violation of personal space and helping behaviour.	Write a diary entry as Lushkoff when he started earning thirty five roubles a month.
		Determiners(grammar)	Determiners will be explained.	
		Diary writing	Understanding the key features of Diary writing.	Diary writing
November	11	AnalyticalParagraphWriting	Explanation with features and format.	Write an analytical paragraph on given topic.
		No Men Are Foreign[POETRY]	Introduction of the theme of the poem. Understanding the life of soldiers.	
		The Accidental Tourist[SUPPLEMENTARY READER (Moments)	Introduction of the author, his literary works, genre, content characters, main protagonist, theme, plot, sub plot, discussion and explanation of textual as well as value based questions.	Students will write character sketch of various characters from literature.
		Prepositions(grammar)	Explanation and it's usage while framing sentences.	
		Story Writing	Write a story on given topic for practice.	
December	20	My Childhood [PROSE(Beehive)]	Understanding the values of generosity, kindness, humility and communal harmony among the children.	Narrate two incidents that show how differences can be created, and also how they can be resolved. How can people change their attitudes?
		A Slumber did My Spirit Seal[POETRY]	This poem is about the death of a loved one and poet's feeling about his beloved when he thinks about her death.	
		Clauses(grammar)	Explanation with types and examples.	
		Revision - Article writing, Story writing	Write an article and a story on given topic for practice.	
January	12	A House is Not a Home[SUPPLEMENTARY READER (Moments)	Comprehend the gist of the story.	Distinguish between natural and manmade disaster.
		Formal letter	Learning the format of the writing letters.	Letter Writing

February	22	Revision
March	3	

Month	No. of working days	Hindi	Content/Sub Topic	Activity
April	21	पाठ-२ दःख का अधिकार	गरीबों की मजदूरी तथा धनी लोगों की निर्ममता का व्यंग्यपूर्ण वर्णन करना।	किसी अन्य गरीब महिला की कहानी कक्षा में सुनाना।
		पाठ 3 एवरेस्ट मेरी शिखर यात्रा	बछेद्री पाल की एवरेस्ट यात्रा का रोमांचक आत्म लेखन।	आगे बढ़ती भारतीय महिलाओं में से किसी एक महिला का चित्र लगाना तथा उसकी संक्षिप्त जानकारी लिखना।
		प्रत्यय-उपसर्ग	प्रत्यय उपसर्ग लगाकर नवीन शब्दों का निर्माण करना।	प्रत्यय और उपसर्ग लगाकर नवीन शब्दों का निर्माण करना।
		अनुच्छेद लेखन	संकेत बिंदुओं के आधार पर अनुच्छेद लेखन करना।	किसी परसंद के विषय पर अनुच्छेद लिखना।
June	19	पाठ-9 रैदास	आराध्य के प्रति आसक्ति, भगवान की कृपा और उसके समदर्शी भाव का वर्णन।	अन्य भक्ति काल के कवि के पदों को कक्षा में सुनाना।
		पाठ-1 गिल्लू (संचयन)	गिलहरी के संपूर्ण जीवन रेखा चित्र के माध्यम से प्रदर्शित करना।	अपने किसी पालतू जीव के बारे में बताना।
		अनुस्वार, अनुनासिक, नुक्ता	प्रयोग के आधार पर अंतर को स्पष्ट करना।	विभिन्न शब्दों के माध्यम से नुक्ता, अनुस्वार, अनुनासिक की पहचान करना।
July	17(8+9)	पाठ-10 रहीम	मानव के जीवनोपयोगी शिक्षाओं को नीतिपरक दोहों के माध्यम से वर्णन करना।	अन्य नीतिपरक दोहों को कक्षा में सुनाना।
		पत्र लेखन	औपचारिक तथा अनौपचारिक पत्रों के प्रारूप को तथा वर्ण्य विषय को समझाना।	तात्कालीन विषय पर पत्र लेखन करवाना।
August	21	पाठ-4 तुम कब जाओगे- अतिथि	अनावश्यक आए हुए अतिथि से जुड़ी समस्याओं का अध्ययन।	किसी अपने घर आए ऐसे अतिथि के बारे में बताना।
		पाठ-2 स्मृति (संचयन)	बाल्यावस्था की जोखिम पूर्ण घटनाओं का सजीव चित्रण।	अपनी बाल्यावस्था की किसी जोखिम पूर्ण घटना के बारे में बताना।
		संधि	संधि के प्रकार एवं परिभाषाओं का अध्ययन।	कक्षा में संधि के लिए प्रश्नोत्तरी प्रतियोगिता रखना।
September	10(7+3)	पाठ-11 आदमीनामा	मानव की अच्छाइयों और संभावनाओं का वर्णन।	मनुष्यता से जुड़ी हुई अन्य कोई कविता कक्षा में सुनाना।
		संवाद लेखन	संवाद के नियमों का ज्ञान कराना।	कक्षा में संवाद योजना प्रस्तुत करना।
October	16	पाठ-6 कीचड़ का काल्य	पाठ के माध्यम से वास्तविक धरातल से उनको जोड़ना और उसके प्राकृतिक सौंदर्य का वर्णन करना।	किसी अन्य उपेक्षित प्राकृतिक सौंदर्य का वर्णन करना।
		पाठ- 12 एक फूल की चाह	समाज में दलित वर्ग की स्थिति का वर्णन करना।	समाज में स्वर्ण तथा निम्न वर्ग के संबंधों पर परिचर्चा आयोजित करना।
November	11	पाठ-5 हमिद खां	सांप्रदायिक एकता की घटना का अनूठा वर्णन।	अपने जीवन में जुड़े किसी अन्य धर्म वाले व्यक्ति के बारे में बताना।
		वर्ण विच्छेद	विभिन्न वर्णों एवं मात्राओं का ज्ञान कराते हुए शब्द रचना का स्पष्टीकरण करना।	कक्षा को 4 वर्गों में विभक्त कर काई द्वारा वर्ण विच्छेद करना।
December	20	पाठ-7 धर्म की आड़	सर्वधर्म समभाव की भावना का विकास करना।	धर्म पर दल चर्चा कराते हुए अपने व्यक्तिगत अनुभव बताना।
		पाठ-14 अग्नि पथ	जीवन में आगे बढ़ने की प्रेरणा देना।	जीवन के उस क्षण का वर्णन करना जिसमें आप कमजोर पड़े हो।
		पाठ -15 नए इलाके में---	मजदूर वर्ग की वास्तविक स्थिति का ज्ञान कराना।	श्रमिक वर्ग पर अपनी व्यक्तिगत राय बताना।
January	12	पाठ-8 धुक तारे के समान	मनुष्य की वास्तविक स्थिति का बोध कराना	स्वतंत्रता आंदोलन में गांधीजी का योगदान विषय पर कक्षा में परिचर्चा आयोजित करना।
		पाठ-4 दिए जल उठे (संचयन)	महात्मा गांधी की दांडी यात्रा का वर्णन।	गांधी जी के प्रमुख आंदोलनों का संक्षिप्त में वर्णन करना।
		विराम चिन्ह	विराम चिन्हों का उपयोग एवं महत्ता को स्पष्ट करना।	विराम चिन्हों का प्रयोग करते हुए आदर्श वाक्य का निर्माण करना।
		चित्र वर्णन	कल्पना शक्ति का विकास करना।	चित्र दिखाकर कहानी का निर्माण करना।
February	22	REVISION		
March	3			

Month	No. of working days	Mathematics	Content/Sub Topic	Activity
April	21	1. NUMBER SYSTEMS	1.1 Introduction,1.2 Irrational Numbers,1.3 Real Numbers and their Decimal Expansions,1.4 Representing Real Numbers on the Number Line,1.5 Operations on Real Numbers,1.6 Laws of Exponents for Real Numbers	Constructing the "Square Root Spiral"
		15. PROBABILITY	15.1 Introduction,15.2 Probability – an Experimental Approach	Random experiments using coins, dice and playing cards.
June	19	2. POLYNOMIALS	2.1 Introduction,2.2 Polynomials in One Variable,2.3 Zeroes of a Polynomial,2.4 Remainder Theorem,2.5 Factorisation of Polynomials,2.6 Algebraic Identities	Verification of cube identities using blocks.
		3. COORDINATE GEOMETRY	3.1 Introduction,3.2 Cartesian System,3.3 Plotting a Point in the Plane if its Coordinates are given	To obtain the mirror image of a given geometrical figure with respect to the x-axis and y-axis.
		4. LINEAR EQUATIONS IN TWO VARIABLES	4.1 Introduction,4.2 Linear Equations,4.3 Solution of a Linear Equation,4.4 Graph of a Linear Equation in Two Variables,4.5 Equations of Lines Parallel to x-axis and y-axis	To find the values of abscissae and ordinates of various ! points given in a cartesian plane.
July	17(8+9)	5. INTRODUCTION TO EUCLID'S GEOMETRY	5.1 Introduction,5.2 Euclid's Definitions, Axioms and Postulates,5.3 Equivalent Versions of Euclid's Fifth Postulate	To verify that the whole is greater than the part.
		6. LINES AND ANGLES	6.1 Introduction,6.2 Basic Terms and Definitions,6.3 Intersecting Lines and Non-intersecting Lines,6.4 Pairs of Angles,6.5 Parallel Lines and a Transversal,6.6 Lines Parallel to the same Line,6.7 Angle Sum Property of a Triangle	Verification of sum property of a triangle.
August	21	7. TRIANGLES	7.1 Introduction,7.2 Congruence of Triangles,7.3 Criteria for Congruence of Triangles,7.4 Some Properties of a Triangle,7.5 Some More Criteria for Congruence of Triangles,7.6 Inequalities in a Triangle	Verify that in a Triangle, Longer Side has the Greater Angle
		8. QUADRILATERALS	8.1 Introduction,8.2 Angle Sum Property of a Quadrilateral,8.3 Types of Quadrilaterals,8.4 Properties of a Parallelogram,8.5 Another Condition for a Quadrilateral to be a Parallelogram,8.6 The Mid-point Theorem	Verification the angle sum property.
September	10(7+3)	9. AREAS OF PARALLELOGRAMS AND TRIANGLES	9.1 Introduction,9.2 Figures on the same Base and Between the same Parallels,9.3 Parallelograms on the same Base and between the same Parallels,9.4 Triangles on the same Base and between the same Parallels	To verify that parallelogram on the same base and between the same parallel have same area. To verify that triangles on the same base and between the same parallel have same area.
		10. CIRCLES	10.1 Introduction,10.2 Circles and its Related Terms : A Review,10.3 Angle Subtended by a Chord at a Point,10.4 Perpendicular from the Centre to a Chord,10.5 Circle through Three Points,10.6 Equal Chords and their Distances from the Centre,10.7 Angle Subtended by an Arc of a Circle,10.8 Cyclic Quadrilaterals	To verify that angle subtended by an Arc at the centre is twice the angle subtended by the same Arc at any other point on the remaining part of the circle.To verify that the angles in the same segment of a circle are equal.
October	16	11. CONSTRUCTIONS	11.1 Introduction,11.2 Basic Constructions,11.3 Some Constructions of Triangles	To verify that the angle in the semicircle is a right angle.
		13. SURFACEAREAS AND VOLUMES	13.1 Introduction,13.2 Surface Area of a Cuboid and a Cube,13.3 Surface Area of a Right Circular Cylinder,13.4 Surface Area of a Right Circular Cone,13.5 Surface Area of a Sphere,13.6 Volume of a Cuboid,13.7 Volume of a Cylinder ,13.8 Volume of a Right Circular Cone,13.9 Volume of a Sphere	To verify the relationship Volume of a Cone and Volume of Cylinder.
November	11	14. STATISTICS	14.1 Introduction,14.2 Collection of Data,14.3 Presentation of Data,14.4 Ggraphical Representation of Data,14.5 Measures of Central Tendency	Representation Histograms for Classes of Equal Widths and Varying Widths.
		12. HERON'S FORMULA	12.1 Introduction,12.2 Area of a Triangle – by Heron's Formula,12.3 Application of Heron's Formula in finding Areas of Quadrilaterals	Verify the area of quadrilateral is equal to two triangles with the help of Heron Formula.
January	12	Revision		
February	22			



ANAND NIKETAN SCHOOL
Mehsana

Grade 9 Split up syllabus (2021 - 2022)

Month	No. of working days	Science	Content/Sub Topic	Activity
April	21	8. Motion	Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration	ACTIVITY: Discuss whether a person sitting on a chair is at rest or in motion. ACTIVITY: How to determine the direction of motion of a body moving in a circular path?
June	19	8. Motion	Distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, derivation of equations of motion by graphical method; elementary idea of uniform circular motion.	ACTIVITY: Write distance of school to home. Write displacement of school from home. Compare the two.
		9. Force and Newton's laws:	Force and Motion, Newton's Laws of Motion, Action and Reaction forces, Inertia of a body	ACTIVITY: Run on road as fast as possible. Try to stop instantly. Discuss ACTIVITY (a) How are the directions of action and reaction forces related?
July	17(8+9)	9. Force and Newton's laws:	Inertia and mass, Momentum, Force and Acceleration. Elementary idea of conservation of Momentum.	ACTIVITY: Throw a ball in playground. Think about throwing of ball in space. Analyse the situations ACTIVITY: How to demonstrate third law of motion? ACTIVITY: Does the total momentum of a system of bodies remain the same when they collide? Cartoon Strip on Newton's Law
August	21	10. Gravitation	Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity).	ACTIVITY: Take a ball. Throw it upwards. It reaches certain height and then it starts falling downwards. Discuss.
September	10(7+3)	10. Gravitation	Acceleration due to Gravity; Mass and Weight; Free fall.	ACTIVITY: Take a beaker, fill it with water. Take an iron bolt and place it on the surface of water. Now observe.
October	16	10. Floatation	Thrust and Pressure. Archimedes' Principle; Buoyancy; Elementary idea of Relative Density	ACTIVITY: Fill a tub with full of water. Add small stone one by one to it. Observe it now. ACTIVITY: Why do you feel an upward push when a solid is immersed in a liquid? ACTIVITY: How can you determine that the density of a solid denser than water?
November	11	11. Work, energy and power	Work done by a Force, Energy, power;	ACTIVITY: Think of some situation from your daily life, where you felt fatigue. Analyse and discuss. ACTIVITY: How to determine if potential energy possessed by an object depends upon its position or configuration?
December	20	11. Work, energy and power	Kinetic and Potential energy; Law of conservation of energy.	ACTIVITY: Stretch a band from one side. Keep other end fixed. Now free first side. Observe. ACTIVITY: Are potential and kinetic energies interconvertible?
		12. Sound	Nature of sound and its propagation in various media, speed of sound, range of hearing in humans; ultrasound	ACTIVITY: Take two metal objects. Hit them with each other. Observe and discuss ACTIVITY: Are vibrations essential for producing sound? ACTIVITY: How can you produce longitudinal waves in a slinky?
January	12	12. Sound	The reflection of sound; echo and SONAR. Structure of the Human Ear (Auditory aspect only).	ACTIVITY: Find any empty room or space. Shout your name one time. Observe and discuss. ACTIVITY: How can you determine the speed of a pulse propagated through a stretched slinky? ACTIVITY: How can you study the reflection of sound?
February	22	Revision	Doubt session, Question paper solution, Chapter wise revision	



Month	No. of working days	Science	Content/Sub Topic	Activity
April	21	Chapter 1- Matter in our surroundings	Definition of matter; solid, liquid and gas; characteristics - shape, volume, density;	By using salt and water activity to prove that "matter is made up of particles".
June	19	Chapter 1- Matter in our surroundings	Change of state- melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation.	By using activity of KMnO ₄ crystal to show that "The particles of matter are very small – they are small beyond our imagination". By using activity of incense stick to prove that "particle of matter are continuously moving". To determine the Melting and boiling point of water
July	8	Chapter 2- Is matter around us pure	Elements, compounds and mixtures. Heterogeneous mixtures	To study the nature of particle
Pre-Mid term Examination portion chapter 1 and Chapter 2 upto mixture topic				
July	9	Chapter 2- Is matter around us pure	Homogenous Mixture , colloids and suspensions.	To prepare and compare: true solution, Suspension, and colloidal solution
August	21	Chapter 3- Atoms and molecules	Atoms and molecules, Law of constant proportions, Atomic and molecular masses.	
September	10(7+3)	Chapter 3- Atoms and molecules	Mole concept 1: Relationship of mole to mass of the particles and numbers.	To verify the law of conservation of mass in a chemical reaction.
Half Yearly Examination portion: Chapter 1,2 complete and half portion of 3rd chapter				
October	16	Chapter 4- Structure of atom.	Mole concept 2: Relationship of mole to mass of the particles and numbers, numericals of Mole, Mass , No of atoms in a molecules, No of molecules in 22.4 L volume of the gas	
November	11	Chapter 4- Structure of atom.	Electrons, protons and neutrons, their discovery ,J.J Thomson Experiments , Rutherford Atomic Model and drawbacks ,Chadwick Model	To study charts -models of an atom
December	20	Chapter 4- Structure of atom.	Bohr's Atomic model, drawbacks, valency, chemical formula of common compounds.	
Post Mid-term examination portion: chapter 3 and chapter 4 upto isotopes and Isobar				
January	12	Chapter 4- Structure of atom.	Isotopes and Isobars, Electronic configuration, Elements name and their symbol	To study the charts of elements and their isotopes.
February	22	Revision	Practice Question solutions	



Month	No. of working days	Science	Content/Sub Topic	Activity
April	21	15. Improvement Mprovement In Food Resources Esources	Improvement In Crop Yields Crop Variety Improvement Crop Production Management: Nutrient Management, Irrigation, Cropping Paterns, Crop Protection Management.storage Of Grains	Students will take interview of a farmer and try to understand their problems as well as how do they adopt new technologies and methods in farming.
June	19	15. Improvement Mprovement In Food Resources Esources	Animal Husbandry: Cattle Farming, Poultry Farming, Fish Production And Bee-keeping	Students will visit cattle farm and poultry farm to understand techniques and care taken by owner to improve productivity.
		5. The Fundamental Undamental Unit Of Life	What Are Living Organisms Made Up Of ? Structure And Function Of Plant And Animal Cells (plasma Membrane, Cell Wall, Nucleus And Cytoplasm) Cell Organelles (endoplasmic Reticulum, Golgi Apparatus, Lysosomes, Mitochondria, Vacuoles, Plastids)	To prepare stained temporary mounts of onion peel and human cheek cells and record
July	17(8+9)	6. Tissues	Are Plants And Animals Made Of Same Types Of Tissues? Plant Tissues : Meristematic Tissue And Permanents Tissues	To identify parenchyma and sclerenchyma tissues in plants, from prepared slides and to draw their labeled diagrams.
August	21	6. Tissues(contd...)	Animal Tissues: Epithelial Tissue, Connective Tissue, Muscular Tissue, Nervous Tissue	To study different animal tissues (striped muscle fibers, smooth muscle fibres and nerve cells)through permanent slides
September	10(7+3)	7. Diversity Iversity In Living Organisms	What Is The Basis Of Classification? Classification And Evolution The Hierarchy Of Classification Groups : Monera, Protista, fungi, Plantae And Animalia	
October	16	7. Diversity Iversity In Living Organisms(contd...)	Plantae : Thallophyte, Bryophyte, Pteridophyte, gymnosperem And Angiosperm. Animalia: Porifera, Coelenterata, Platyhelminthes, Nematoda, Annelida, Arthropoda, Mollusca, Echinodermata, Protochordata, Vertebrata.	To study the characteristics features of various plant. To identify draw and give few identifying features of the groups they belong to.
November	11	7. Diversity Iversity In Living Organisms(contd...)	Vertebrata: Pisces, Amphibia, Reptilia, Aves And Mammalia Nomenclature	To observe pictures/ charts/ models of earthworm, cockroach, bony fish and bird. Draw the picture of each specimen and record: a) one specific b) one adaptive feature
December	20	13. Why Do We Fall Ill	Health And Its Failure -the Significance Of 'health' Personal And Community Issues Distinctions Between 'healthy' And 'disease-free' Disease And Its Causes, Acute And Chronic Diseases Chronic Diseases And Poor Health	
January	12	13. Why Do We Fall Ill	Infectious Diseases -infectious Agents Means Of Spread Organ-specific And Tissuespecific Manifestations Principles Of Treatment ((vaccination And Antibiotics) Principles Of Prevention	To study various types of communicable and non-communicable diseases and write the symptoms of these diseases
February	22			Revision



Month	No. of working days	Soc. Sci	Content/Sub Topic	Activity
April	21	History : Ch : 1 ; The French Revolution	1. French Society During the Late Eighteenth Century 2. The Outbreak of the Revolution 3. France Abolishes Monarchy and Becomes a Republic 4. Did Women have a Revolution? 5. The Abolition of Slavery 6. The Revolution and Everyday Life	Learners will describe all the events of the French Revolution with the help of a time line. Learners will also describe following two terminologies with the help of a flow chart. 1. How a Subsistence Crisis Happens 2. Provisions of the Constitutional Monarchy
		Geography : Ch : 1 ; India - Size and Location	1. LOCATION 2. SIZE 3. INDIA'S NEIGHBOURS	Learners will show the following places / locations on the outline map of India. 1. India's neighbouring countries 2. Standard Meridian of India 3. Tropic of Cancer
June	19	Economics : Ch : 1 ; The Story of Village Palampur	1. Organisation of Production 2. Farming in Palampur 3. Non-Farm Activities in Palampur	Learners will visit the country yard during the weekends and they will collect the following data of a particular village. 1. Number of large, medium and small farmers 2. Crops cultivated during the season / year 3. Loans taken by farmers from various sources 4. Investment done by farmers in terms of fixed capital and working capital.
		Civics : Ch : 1 ; What is Democracy? Why Democracy?	1. WHAT IS DEMOCRACY? 2. FEATURES OF DEMOCRACY 3. WHY DEMOCRACY? 4. BROADER MEANINGS OF DEMOCRACY	Learners will have a debate on the merits on the democracy over the following topics. 1. Arguments for democracy 2. Arguments against democracy
July	17(8+9)Continue..... Civics : Ch : 1 ; What is Democracy? Why Democracy?	1. WHAT IS DEMOCRACY? 2. FEATURES OF DEMOCRACY 3. WHY DEMOCRACY? 4. BROADER MEANINGS OF DEMOCRACY	Learners will have a debate on the merits on the democracy over the following topics. 1. Arguments for democracy 2. Arguments against democracy
		History : Ch : 2 ; Socialism in Europe and the Russian Revolution..... Continue.....	1. The Age of Social Change 2. The Russian Revolution 3. The February Revolution in Petrograd 4. What Changed after October? 5. The Global Influence of the Russian Revolution and the USSR	Learners will describe all the events of the Russian Revolution with the help of the time line. Learners will be divided in to the groups. Each group will share its views and ideas over the impact of Russian revolution on the world in the context of the emergence of the Socialism and the Communism.
August	21	History : Ch : 2 ; Socialism in Europe and the Russian Revolution	1. The Age of Social Change 2. The Russian Revolution 3. The February Revolution in Petrograd 4. What Changed after October? 5. The Global Influence of the Russian Revolution and the USSR.	Learners will describe all the events of the Russian Revolution with the help of the time line. Learners will be divided in to the groups. Each group will share its views and ideas over the impact of Russian revolution on the world in the context of the emergence of the Socialism and the Communism.
		Geography : Ch : 6 ; Population	1. POPULATION SIZE AND DISTRIBUTION 2. POPULATION GROWTH AND PROCESSES OF POPULATION CHANGE 3. Processes of Population Change/Growth	Learners will show the following places / locations on the outline map of India. 1. The largest state in terms of population 2. The smallest state in terms of population 3. The most densest state in terms of population
		Geography : Ch : 2 ; Physical Features of India	(1) The Himalayan Mountains (2) The Northern Plains (3) The Peninsular Plateau (4) The Indian Desert (5) The Coastal Plains (6) The Islands	Learners will show the following places / locations on the outline map of India. 1. Shivaliks 2. Mount K2 3. Western Ghats & Eastern ghats 4. Lakshadweep and Andaman & Nicobar Islands 5. Thar Desert 6. Deccan Plateau
		Economics : Ch : 2 ; People as Resource	1. Economic Activities by Men and Women 2. Quality of Population 3. Unemployment	Learners will share their ideas based on the story of Vias and Sakal given in the text book. They will share their views that how the factors like health and education can change the future of any individual and help in forming a strong society.
September	10(7+3)	Civics : Ch : 2 ; Constitutional Design..... Continue.....	1. DEMOCRATIC CONSTITUTION IN SOUTH AFRICA 2. WHY DO WE NEED A CONSTITUTION? 3. MAKING OF THE INDIAN CONSTITUTION 4. GUIDING VALUES OF THE INDIAN CONSTITUTION	Learners will be divided in to the ten groups. Each group will explain the following Constitutional words used in our preamble. 1. We, the people of India 2. Sovereign 3. Socialist 4. Secular 5. Democratic 6. Republic 7. Justice 8. Liberty 9. Equality 10. Fraternity
		History : Ch : 2 ; Nazism and the Rise of Hitler..... Continue	1. Birth of the Weimar Republic 2. Hitler's Rise to Power 3. The Nazi Worldview 4. Youth in Nazi Germany 5. Ordinary People and the Crimes Against Humanity	Learners will describe all the events happened in Germany between the two world wars with the help of a time line. Learners will also describe the "Nazi Steps to Death" for the unwanted citizens before the Second World War with the help of a flow chart.
October	16	History : Ch : 3 ; Nazism and the Rise of Hitler.	1. Birth of the Weimar Republic 2. Hitler's Rise to Power 3. The Nazi Worldview 4. Youth in Nazi Germany 5. Ordinary People and the Crimes Against Humanity	Learners will describe all the events happened in Germany between the two world wars with the help of a time line. Learners will also describe the "Nazi Steps to Death" for the unwanted citizens before the Second World War with the help of a flow chart.
		Geography : Ch : 3 Drainage	1. DRAINAGE SYSTEMS IN INDIA 2. The Himalayan Rivers 3. The Peninsular Rivers 4. LAKES 5. ROLE OF RIVERS IN THE ECONOMY 6. RIVER POLLUTION	Learners will show the following places / locations on the outline map of India. 1. A river emerges from Mansarovar and drains in to the Bay of Bengal 2. A river passed through the gorges and meets Arabian sea 3. Dakshin Ganga 4. A river emerges from the Mansarovar and meets Arabian sea.
November	11	Economics : Ch : 3 ; Poverty as a Challenge.	1. Two Typical Cases of Poverty 2. Causes of Poverty 3. Global Poverty Scenario 4. Poverty Estimates	Learners will collect the data of poverty from the open sources available world wide and depict it in the following form. 1. Draw a Bar graph showing the poverty in various states in India (% of total population) 2. Draw a line graph showing the poverty trends in various continents of the world during last 20 years
		Civics : Ch : 3 ; Electoral Politics..... Continue.....	1. WHY ELECTIONS? 2. WHAT IS OUR SYSTEM OF ELECTIONS? 3. WHAT MAKES ELECTIONS IN INDIA DEMOCRATIC?	Learners will understand the popular participation of voters in various elections in India and some other important democratic countries in the world and they will depict this facts in the following ways. 1. Drawing a Line graph comparing the voters' turn out ratio in India and UK during the last five elections. 2. Drawing a Bar graph comparing the voters' turn out ratio in India and US during the last five elections.
December	20	Civics : Ch : 3 ; Electoral Politics.	1. WHY ELECTIONS? 2. WHAT IS OUR SYSTEM OF ELECTIONS? 3. WHAT MAKES ELECTIONS IN INDIA DEMOCRATIC?	Learners will understand the popular participation of voters in various elections in India and some other important democratic countries in the world and they will depict this facts in the following ways. 1. Drawing a Line graph comparing the voters' turn out ratio in India and UK during the last five elections. 2. Drawing a Bar graph comparing the voters' turn out ratio in India and US during the last five elections.
		Geography : Ch : 4 ; Climate	1. CLIMATIC CONTROLS 2. FACTORS AFFECTING INDIA'S CLIMATE 3. THE INDIAN MONSOON 4. THE ONSET OF THE MONSOON AND WITHDRAWAL 5. THE SEASONS 6. DISTRIBUTION OF RAINFALL 7. MONSOON AS A UNIFYING BOND	Learners will show the following places / locations on the outline map of India. 1. The first city of India encountering the South-West monsoon 2. Areas of more than 400 c.m. of rain fall in a season 3. Areas receiving rainfall during the winter 4. Area having the houses made of thick walls and flat roofs 5. Area having the houses made of wood and very slanting roofs
January	12	Economics : Ch : 4 ; Food Security in India	1. Two case studies 2. Green revolution 3. The National Food Security Act, 2013 4. Antyodaya Anna Yojana (AAY) 5. Role of cooperatives in food security	Learners will make a bar graph of production of food grains (million tonnes) in India since the Green Revolution till the date. Learners will be divided in to the various groups. Each group will explain the various terminologies of the Public Distribution System in detail. 1. PDS 2. RPDS 3. TPDS 4. AAY 5. APS 6. NFSA
		Civics : Ch : 4 ; Working of Institutions	1. HOW IS A MAJOR POLICY DECISION TAKEN? 2. PARLIAMENT 3. POLITICAL EXECUTIVE 4. THE JUDICIARY	Learners will have a debate on the decision making capacity and the importance of suggestions for the following two entities. 1. Political executive 2. Permanent executive
February	22	Geography : Ch : 5 ; Natural Vegetation and Wild Life	1. RELIEF 2. CLIMATE 3. TYPES OF VEGETATION 4. WILDLIFE 5. MEDICINAL PLANTS	Learners will show the following places / locations on the outline map of India. 1. Areas of (i) Tropical evergreen forests (ii) Tropical deciduous forests (iii) Tropical thorn forests and scrubs (iv) Montane forests (v) Mangrove forests 2. Any two (i) National parks (ii) Bird sanctuaries (iii) Wild life sanctuaries

Month	No. of working days	Information Technology(I.T 402)	Content/Sub Topic	Activity
April	21	UNIT 1: INTRODUCTION TO IT-ITeS INDUSTRY	Introduction to IT and ITeS, BPO services, BPM industry in India, Structure of the IT-BPM industry, Applications of IT in home computing, everyday life, library, workplace, education, entertainment, communication, business, science and engineering, banking, insurance, marketing, health care, IT in the government and public service.	Identify and list the various IT enabled services, Observe the application of IT in various areas.
		Chapter-1: Applications of IT-ITeS Industry		
		UNIT 2: DATA ENTRY AND KEYBOARDING SKILLS		
		Chapter-2: Using Data Entry Tools	Keyboarding Skills, Types of keys on keyboard, Numeric keypad, Home keys, Guide keys, Typing and deleting text, Typing ergonomics, Positioning of fingers on the keyboard, Allocation of keys to fingers on four different rows, Pointing device – Mouse, Mouse operations	1. Practice the correct typing ergonomics. 2. Practice to place fingers on correct key in four different row of keyboard. 3. Practice various mouse operations.
		Chapter-3: Using Typing Software	Introduction to Rapid Typing Tutor, Touch typing technique, User interface of Typing Tutor, Typing text and interpret results, Working with lesson editor, Calculating typing speed, Typing rhythm.	1. Practice to type text in typing tutor software and interpret the results. 2. Practice to work in lesson editor. 3. Calculate the typing speed.
June	19	UNIT 4: ELECTRONIC SPREADSHEET	Introduction to spreadsheet application, Starting a spreadsheet, Parts of a spreadsheet, Worksheet – Rows and columns, Cell and cell address, Range of cell – column range, row range, row and column range.	1. Start the spreadsheet. 2. Identify the parts of Calc. 3. Identify the rows number, column number, cell address. 4. Identify row range, column range, row & column range.
		Chapter-10: Introduction to Spreadsheet		
		Chapter-11: Editing Data in Spreadsheet		
		Chapter-12: Formatting Data in a Spreadsheet	Formatting tool, Use of dialog boxes to format values, Formatting a range of cells with decimal places, Formatting a range of cells to be seen as labels, Formatting of a cell range as scientific, Formatting a range of cells to display times, Formatting alignment of a cell range, Speeding up data entry using the fill handle, Uses of fill handle to copy formulae.	1. Format a range of cells to perform multiple task. 2. Create number series using fill handle and copy formula by dragging the formula using fill handle.
		Chapter-13: Using Cell Reference	Concept of referencing, Relative referencing, Mixed referencing, Absolute referencing.	1. Use Relative referencing in spreadsheet, Mixed referencing in spreadsheet, Absolute referencing in spreadsheet.
		Chapter-14: Using Charts in a Spreadsheet	Importance of chart in spreadsheet, Types of chart, Example of chart.	1. Create different types of chart supported by a spreadsheet. 2. Illustrate the example of chart in a spreadsheet.
August	21	UNIT 3: DIGITAL DOCUMENTATION	Introduction to word processing, Word processing applications, Introduction to Word Processing tool, Creating a document, Parts of a Word Processor Window, Cursor and mouse pointer.	Practical based on Word formatting
		Chapter-4: Introduction to Word Processor		
		Chapter-5: Editing a Document	Text editing – Undo and Redo, Moving and copying text, Copy and Paste, Selecting text, Selection criteria, Selecting non-consecutive text items, Selecting a vertical block of text, Find and replace option, Jumping to the page number, Non-printing characters, Checking spelling and grammar, Using Synonyms and Thesaurus.	1. Practical based on the keyboard and mouse options to select, cut, copy, paste, and move text. 2. Search the word from the text and replace it with another word. 3. Jump to the given page number in a document. 4. Check spelling and grammar and apply the changes to the document.
September	10(7+3)	Chapter-6: Formatting a Document	Page style dialog, Formatting text – Removing manual formatting, Common text formatting, Changing text case, Superscript and Subscript, Formatting paragraph, Using bullets and numbering, Assigning colour, border and background to paragraph, Page formatting, Creating header/footer and page numbers, Defining borders and backgrounds, Inserting images shapes, special characters in a document, Dividing page into columns, Formatting the shape or image.	Apply various formatting options in a document.
October	16	Chapter-7: Working with Tables	Creating table in Word Processor, Inserting row and column in a table, Deleting rows and columns, Splitting and merging tables, Deleting a table, Copying a table, Moving a table.	Practical based on tables.(Create table, Insert and delete rows and column in a table, Split and merge tables, Copy or move from one location to another location of document)
		Chapter-8: Printing a Document	Printing options in Word Processor, Print preview, Controlling printing, Printing all pages, single and multiple pages.	Print the document with various options.
November	11	Chapter-9: Mail Merge	Concept of mail merge in word processing, Creating a main document, Entering data in the fields, Merging the data source with main document, Editing individual document, Printing the merged letter, Saving the merged letter.	Practical based on mail merge option in a word document.
		UNIT 5: DIGITAL PRESENTATION	Concept of presentation, Elements of presentation, Characteristics of an effective presentation	Practical based on Presentation.
	Chapter-15: Introduction to Presentation Software			
December	20	Chapter-16: Create a Presentation	Introduction to presentation software, Starting a presentation tool, Parts of a presentation tool window, Closing the presentation tool, Creating a presentation using template, Selecting slide layout, Saving a presentation, Running a slide show, Save a presentation in PDF, Closing a presentation, Using Help.	1 Create a new presentation using wizard. 2. Run the presentation. 3. Save the presentation. 4. Close the presentation.
		Chapter-17: Working with Slides	Inserting a duplicate slide, Inserting new slides, Slide layout, Copying and moving slides, Deleting and renaming slides in presentation, Copying, moving and deleting contents of slide, View a presentation, Controlling the size of the view, Workspace views.	Practical based on Slides.
		Chapter-18: Using Tables in Presentation	Inserting tables in presentation, Entering and editing data in a table, Selecting a cell, row, column, table, Adjusting column width and row height, Table borders and background.	Practical based on tables in a presentation.

January	12	Chapter-19: Using Images in Presentation	Inserting an image from a file, Inserting an image from the gallery, Formatting images, Moving images, Resizing images, Rotating images, Formatting using the Image toolbar, Drawing graphic objects, Grouping and un-grouping objects.	Practical based on Insert and format image option in presentation.
		Chapter-20: Working with Slide Master	Slide masters, Applying the slide masters to all slide, Adding transitions.	Practical based on Slide Master. (Create the slide masters, Apply the slide masters to the presentation, Add transitions to presentation)
February	22	Part-A Employability Skills	Unit 1 : Communication Skills-I Unit 2 : Self-Management Skills-I Unit 3 : ICT Skills-I Unit 4 : Entrepreneurial Skills-I Unit 5 : Green Skills-I	
			Revision	
March	3			