

SUBJECT ENGLISH GRADE 8											
UNIT	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
Unit 1 Myths and legends- Ch1. Who ate the Sun?	At the end of the lesson students will learn about different myths related to solar eclipse	To know about different beliefs of solar eclipse and reasons behind it	20/04/22- 25/04/22	5	Student centric	Do they know about the Indian belief of solar eclipse.	textbook and worksheets	Importance of solar eclipse	Different myths about solar eclipse in the world	knowledge about different beliefs behind solar eclipse	students learned about the solar eclipse myths
ch- 2 The thousand petalled Lotus	At the end of the lesson students will know about King Vikram's bravery	about being brave & selfless	25/04/22- 30/04/22	6	Student centric	Do they know about King Vikram	textbook and woksheet	Being Helpful and selfless	Ratan Taa modern-day king Vikram	Benefits of being selfless and helpful	students learned about the concerned text
ch-3 Tartary	Will know about imaginary land tartary	know about the land of tartary	04/05/22- 11/05/22	5	Student centric	have they heard about tartary	charts ,text book ,worksheets	Knowledge about land of tartary	Othe poems of Walter De La Mare	knowledge about tartary	students learned about the concerned text
Unit 2- chp 4- Art rocks	At the end of the lesson students will learn about different rock arts	Developing observation	24/05/22- 30/05/22	4	Student centric	Have they ever been on a train trip	charts, videos, worksheet, textbook	Importance of observation	Different forms of rock arts	Importance of rock arts	students learned about the concerned text
Grammar - Worksheet 1	Students will be able to solve the worksheet	Collaboration/team work.	26/04/22- 5/05/22	5	techniques to solve unseen passage	techniques to solve unseen passage	charts, videos, worksheet	Grammatical knowledge of student increases	students solve the questions based on the same	critical thinking	students learned about the concepts related to the text
Grammar - Worksheet 2	Students will be able to solve the worksheet	Collaboration/team work.	24/05/22- 30/5/22	4	techniques to solve unseen passage	techniques to solve unseen passage	charts,videos, worksheet	analytical ability of the student increases	students solve the questions based on the same	analytical thinking	students learned about the concepts related to the text

	SUBJECT social science				GRADE 8								
UNIT AND THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME		
when, where and how	The time frame for modern history, major developments in the modern period around the world , new geographical categories , sources for the study of modern history of India	initiative and cultural awareness	18th to 22 nd April	5	will show them old society , events archaeological sources through pictures & videos	will ask that why studying history is essential what kind of information we get it by studying the history of our country	picture & video through internet	integrity		will ask them to show slik routes through their creativity	learner would understand importance of history and modern period of our world and modern history of India		
The Expension of British power in India	Reasons for the spread of mercantilism and trade wars, expansion of British power in India, wars fought between the British and Indian rulers, reasons	self direction and global awareness	25th to 29 th April	5	will show them constitution of British rule through videos	will ask them that when do they think the British actually clarified there intentions to make India but of their	videos through the internet	integrity and tolerance		will ask them to make a chart of expansion of British power in its colonies	learner will understand the Reasons for the spread of mercantilism and trade wars, expansion of British power in India, wars fought between the British and Indian rulers, reasons		
Natural resources : Types and Development	understanding resources natural resources and their types the importance of conservation of the resources and sustainable development	global environment awareness and problem solving	2nd to 6th may	5	will make them aware of AGENDA 21 of Earth Summit at Rio de Janeiro	will ask them why it's important to conserve resources .	ppt and videos through internet	care and empathy		will ask them to discuss some new development measures of resources	learner will nderstand about natural resources and their types the importance of conservation of the resources and sustainable development		
land and soil	understanding resources, natural res	global environment awareness and problem solving	9th to 13 th may	5	will show them ppt of affected land areas	will ask them that why we should consider soil as resources and methods for conserving land	ppt or pictures	care ,respect and empathy		will ask them to make some conservation measures for resources	learner will understand the natural resources and their types ,the importance of conservation of the resources and sustainable development		
The Need for Law and the constitution	The need for law, dowry, our constitution and its features, why we need a constitution?, laws and dissent	initiative and self direction	16 th to 20th May	5	will show them the true struggle of DRr. B.R Ambedkar and his struggle for framing	will ask them that do they know any law regarding dowry system.	videos and short story	integrity and resilience		will relate the topic with school cabinet	learner will understand the need for law, dowry, our constitution and its features, why we need a constitution,laws and dissent		
Ideals of our constitution	making of our constitution, understanding the preamble, key features of our constitution, fundamental rights ,fundamental duties	initiative ,collaboration and self direction	23rd to 27th May	5	will make them aware of various leaders and their efforts towards the nation .	will ask them that do they know about the meaning behind preamble and its and its four main points	ppt and videos	respect ,Honesty and integrity		will relate the topic with school cabinet	learner will understand the making of our constitution, understanding the preamble, key features of our constitution, fundamental rights fundamental duties		



	विषय-हिंदी								कक्षा-आठ	
UNIT AND THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION
अध्याय -१; जयगान (कविता)	बच्चों में देशप्रेम की भावना जागृत करना	शब्द-भंडार की वृद्धि , भाव एवं अर्थ ग्रहण करना, व्याकरण - बोध	१८ .४.२०२२ से २२.४.२०२२	y	विद्यार्थी -केन्द्रित	बच्चें देश की गौरव गाथा से भलीभांति परिचित हैं	पाठ्यपुस्तक, कविता से सम्बंधित चित्र- चार्ट आदि	स्वदेश की गरिमा से परिचय करवाना	देशभक्ति रस पर आधारित अन्य रचनाकारों की रचनाएँ पढने के लिए उत्साहित करूँगी	गायन के माध्यम से अर्थग्रहण करना
अध्याय-२; झूठ का सच (हास्यकथा)	नैतिकता का विकास करना	शब्द-भंडार की वृद्धि , तार्किक क्षमता का विकास, व्याकरण - बोध	२५.४.२०२२ से २९.४.2022	y	विद्यार्थी -केन्द्रित	बच्चें गोन् झा के चरित्र से पूर्व-परिचित हैं	पाठ्यपुस्तक, कथा से सम्बंधित चित्र- चार्ट आदि	तर्क-शक्ति से समस्या का समाधान	गोन् झा की अन्य कहानियाँ पढ़ने के लिए प्रेरित करना	नाटक के माध्यम से पाठ विवेचना
अध्याय-३ ; संस्कृति क्या है? (निबंध)	संस्कृति एव सभ्यता के बीच अतर स्पष्ट करना	शब्द-भडार की वृद्धि ,सांस्कृतिक मूल्यों का विकास,व्याकरण -बोध	२.५.२०२२ स ६.५.२०२२	ц	व्याख्यान आधारित	बच्चे भारत की संस्कृति का संक्षिप्त ज्ञान रखते हैं	पाठ्यपुस्तक, निबंध से सम्बंधित चित्र- चार्ट आदि	सास्कृतिक मूल्यों का विकास	बिहार एव अन्य किसी राज्य की संस्कृति का तुलनात्मक अध्ययन करने के लिए उत्साहित करना	वर्णात्मक
अध्याय-४ ; गणश शंकर विद्यार्थी (जीवनी)	स्वतंत्रता -सनाना के जावन से पारचय करवाना	शब्द-भंडार का वृद्धि , स्वतंत्रता का महत्त्व ,व्याकरण -बोध	९.५.२०२२ स १३.५.२०२२	ц	व्याख्यान आधारत	बच्च कुछ क्रांतिकारिया से पूर्व परिचित हैं	पाठ्यपुस्तक, पाठ से सम्बंधित चित्र-चार्ट आदि	क्रातिकारिया के जविन से प्रेरणा लेने के लिए प्रेरित करना	अन्य क्रातिकारिया का जावना पढ़ने के लिए उत्साहित करना	वणात्मक
अध्याय-७; मा की ममता (कहानी)	मा की ममता का महत्त्व समझाना	शब्द-भडार की वृद्धि , अर्थ एवं भाव ग्रहण करना ,व्याकरण - बोध	१६.५.२०२२ 	ц	भाव आधारित	बच्चे मा के ममत्व से भलीभांति परिचित हैं	पाठ्यपुस्तक, पाठ से सम्बंधित चित्र-चार्ट आदि	मा के प्रति आदर, प्रेम एवं कर्तव्य का भाव विकसित करना	मा का सम्मान करने के लिए उत्साहित करना	भाव - प्रदर्शन

DOLCOME REARNING बच्चों में देशप्रेम की भावना जागृत हुई									
बच्चों में देशप्रेम की भावना जागृत हुई									
बच्चों में ताकिक क्षमता का विकास हुआ									
बच्चें सभ्यता एवं संस्कृति के बीच अंतर करने में सक्षम हुए									
बच्चें महान क्रांतिकारी गणेश शंकर विद्यार्थी के जीवन से भलीभाँति परिचित हुएँ									
बच्चें माँ की महानता एवं उसके प्रभुत्य को समझने में सक्षम हुएँ									





SUBJECT computer 8											
UNIT AND THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	DUTCOME
Unit 1 introduction of computer (introductation, computer network)	they would be able to understand about computer network.	digital compentance	18/4/22 to 23/4/22	2	group disscussion	what do you know about CPU.	book and ppt	computational and logical skills	compare computer network with our daily life.	practical (visit the computer lab in your school and closely examine the computer network there.)	students will be able to understsnd the topic.
introduction of computer (protocol, operating system)	they would be able to understand about operating system and protocol.	digital compentance	25/4/22 to 7/5/22	3	group disscussion	short quiz on topology	book	computational and logical skills	In our daily life everyone is following protocol. Explain it.	collect the information about Hubs and Switches. Prepare a chart to describe the difference between	students will be able to understsnd the topic.
Unit 2 Learn to use Microsoft Access 2010	They would be able to understand about Microsoft Access 2010	digital compentance	9/5/22 to 18/5/22	3	group disscussion and practical	quiz	book and lab	computational and logical skills	suppose that you are the student of foregin university and you have to make a database to store the mark of different subjects. How will you	lab prcatical: make a student database.	students will be able to understsnd the topic.



	SUBJECT	Science									
UNIT and THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
Crop production and managemnet	To learn about Crop production: Soil preparation, selection of seeds, Sowing, applying, fertilizers, irrigation , weeding harvestiing, storage, Nitrogen fixation	Enterpreneurship	19/04/2022- 25/04/2022	6	Use of presentation and videos to make them understand dsifferent pattern of cropping.	JAM, Short Quiz, What if, Reverse questioning.	Txt book, Presentation.	Respect	Different cropping patterns in different States.	PPT presentation on cropping pattern and tools, Virtual lab	Student would learn about To learn about Crop production: Soil preparation, selection of seeds, Sowing,applying,fertilizers,irrigation,w eeding harvestiing, storage, Nitrogen fixation
Microorganism friends and foe	To know about Microorganism Benefits and Harm.	environment awreness	26-04-2022- 2/05/2022	5	Virtual lab and video presentattion of colonies of microorganisms and thrie development.	Reverse questioning, Thunk, JAM, Short quiz.	PPT, Videos, Chart, PDF.	Care	Microorganism in Different biogeochaemical cycle.	PPT, Virtual lab, Extra reading materials.	Student would learn about Microorganism Benefits and Harms.
Synthetic Fibre and Plastics.	Synthetic clothing materials, Other synthetic materials, especially plastics: The usefulness of plastics and problems associated with their excessive use.	Enterpreneurship and self learning	3-05-2022- 7/05/2022	4	Burning test to distinguish between the fabrics.	Thunk, Short quiz, Jam, Reverse questioning, Extempore.	Chart, different cloth materials, Videos etc.	Tolerance	Different types of natural fibre grown in diffferent types of soil.	Text book, Charts, laboratory.	Student would know about Synthetic clothing materials, Other synthetic materials, especially plastics: The usefulness of plastics and problems associated with their excessive use.
Force and Pressure	To know about idea of force_push or Pull change in speed, direction of moving objects and shape of objects by applying force- Contact and Non- contact force	Independent learning	09-05-2022- 14/05/2022	5	Activities based on Daily life experience Demonstration the change in speed of a moving object its	Extempore, Short quiz, JAM, Activity.	Text book, Activity kit	Resilience	To know about different types of molecular forces.	Text book, Charts, Reading materials.	Student would know about idea of force_ push or Pull change in speed, direction of moving objects and shape of objects by applying force- Contact and Non- contact force
Cell	Cell structure,plant and animal cell, use of Stain to observe , cell organells- nucleus, vacuole, Chloroplast,cell membrane, cell wall.	Environmental awreness.	16-05-2022- 21/05/2022	5	Use of microscope, preparation of slide, Observation of onion eel and ceck cell.	Short Quiz, JAM, Reverse questioning, Well Rounded.	Microscope, Onion peel, permanent slide of animal cell	Itegrity	To know about different structre of materials.	Text book, Videos, Virtual labs.	Student would know about Cell structure,plant and animal cell, use of Stain to observe , cell organells- nucleus, vacuole, Chloroplast,cell membrane, cell wall.



SUBJECT MATHEMATICS									GRADE 8	-	
TINU	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	explain the topic with an concept map and ppt presentation	ELEMENT OF INNOVATION	LEARNING OUTCOME
1. RATIONAL NUMBERS	RATIONQAL NUMBERS AND THEIR PROPERTIES, FINDING RATIONAL NUMBER IN BETWEEN OF TWO RATIONAL NUMBERS , AND THE REPRESNTATION OF Rational number on number line	CRITICAL THINKING	18 april to 28 april	9	Draw a concept map of rational numbers with their different properties	Recall about the natural numbers, whole numbers, integers ,farction and rational numbers and some question Bsed on them	CHART PAPER, PENCIL DIFFERENT COLOUR SKETCH PEN, AND GRAPH PAPER	INTEGRITY	explain with the help of ppt presentation	to subtact two rational number through an activity using different manupulative	
2. EXPONENTS AND POWERS	negative exponents , laws of exponents with negative exponents , scientific notation	PROBLEM SOLVING	4 may to 13 mty	8	draw a concept map of rational numbers with their different properties	base, exponents index, powers and their representation and a small recap exercise	coloured thin sheet, ruler, pencil , scissors	TOLERANCE	explain with the help of vann diagram and concept map	to find the value of a raise to the power n using paper folding	
3. SQUARE AND SQUARE ROOT	squares, squares root , square rootr of product of two numbers and fractional numbers, approximate square roots,	PROBLEM SOLVING	17 may to 25 may	4	explain with the formula based problems from the textbook and the concept map of different formulas square band square rooty	squares of a numbers up to 20 and recap exercise	coloured thin sheet, ruler, pencil , scissors	TOLERANCE	explain with the help of vann diagram and concept map	to find the value of a raise to the power n using paper folding	
4. CUBE AND CUBE ROOTS	cube , cube toots , estimating square roots and cube roots	PROBLEM SOLVING	4 july t0 8 july	5	explain with the formula based problems from the textbook and the concept map of different formulas of cube and cube roots	cubes of a number up to 20	cardboard, white chart paper, ruler, pencil, eraser, adhesive, sketch pens of different coloursa,	TOLERANCE	exaplain with help of ppt presentation and a concept maps	to find the cube root of any number by using a grid	
5. PLAYING WITH NUMBERS	number in general form , coding and decoding , number and puzzle games , Patterns in number, magic squares, divisibility of numbers	CRITICAL THINKING	11 july to 22 july	7	expalin with the different type of number pattern and video presentation	knowlwege about the numbers anmd divisibility rules	chART PAPER, PENCIL DIFFERENT COLOUR SKETCH PEN, scissors, ruler	RESPECT	explain with the help of vann diagram and concept map	to construct a 4x4 magic square of magic constant 34	
6. ALGEBRAIC EXPRESSION AND FACTORISATION	multiplicatiction of algebraic expression , division of polynomials , indentities, factorisATION	CRITICAL THINKING	25 july to 5 aug	9	expalin with the diagramatical representation and video presenattion	algebraic expression formate, different terms involve in this tyoes of algebraic expression , degree of an expression	cardboard, white chart paper, ruler, pencil, eraser, adhesive, sketch pens of different colours, a	RESILIENCE	expalin with the help of concept map and through the ppt presenattion	to do an activity by finding the measurement of unknown quantity	
7. LINEAR EQUATION IN ONE VARIABLE	solving an equation, solving a linear equation in one variable, word problems	INDEPENDENT LEARNING	9 aug to 19 aug	6	video presentation and solving textual problems	what is equation , and linear equation, solving an equation and a recap exercise	cardboard, white chart paper, ruler, pencil, eraser, adhesive, sketch pens of different coloursa,	RESILIENCE	expalin with the help of concept map and through the ppt presenattion	to do an activity by finding the measurement of unknown quantity	
8. COMMERCIAL MATHEMATICS	application of percentage , profit and loss, discount and tax	PROBLEM SOLVING	22 aug to 2 sep	9	expalin with the role play and help of concept maps	meaning of unitary method and meaning of percentage and a small recap exercise based on them	some general items , a shop , a balance sheet of profit and loss	HONESTY	explain with the help of vann diagram and concept map	role play by different character	
9. SIMPLE INTEREST AND COMPOUND INTEREST	interest , growth and depreciation, application of ci	PROBLEM SOLVING	6 sep 14 sep	6	explain with the real life examles and help of conceptr maps	meaning of simple interest and their formulas		HONESTY	expalin with the help of concept map and through the ppt presenattion	role play by different character of merchants	
10. QUADRILATERAL		CRITICAL THINKING		•		•	•	INTEGRITY			
11. CONSTRUCTION OF QUADRILATERAL		CREATIVITY						INTEGRITY			
12. AREA OF POLYGONS		CRITICAL THINKING						CARE			
13. VOLUME AND SURFACE AREA		PROBLEM SOLVING						CARE			
14. PROBABILITY		PROBLEM SOLVING						HONESTY			
15. DATA HANDLING		PROBLEM SOLVING						INTEGRITY			
16.REPRESENTATING 3D IN 2D		CRITICAL THINKING						RESILIENCE			
17. INTRODUCTION TO GRAPH		PROBLEM SOLVING						EMPTHY			



	SUBJECT	computer			GRADE 8									
UNIT AND THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME			
UNIT 2 (LEARN TO USE MICROSOFT ACCESS 2010)	STUDENTS WILL BE ABLE TO UNDERSTAND THE TOPIC.	CRITICAL THINKING AND DIGTAL COMPETENCY	20/6/22 TO 8/7/22	6	GROUP DISSCUSSION AND LAB PRACTICAL	SHORT QUESTION	BOOK AND LAB	COMPUTATIONAL AND LOGICAL SKILLS	HOW WILL YOU MAKE A DATABASE OF A SCHOOL?	make a poster showing some of the common computer problems and their remedies.	they will be able to understand the topic.			
UNIT 3 (QUERIES, FORMS AND REPORTS IN MICROSOFT ACCESS 2010)	STUDENTS WILL BE ABLE TO UNDERSTAND THE TOPIC.	CRITICAL THINKING AND DIGTAL COMPETENCY	11/7/22 TO 28/7/22	4	LAB PRACTICAL	WHAT IS RDBMs?	BOOK AND LAB	COMPUTATIONAL AND LOGICAL SKILLS	NA	lab practical: create the "my folder" shortcut on the desktop.	they will be able to understand the topic.			
UNIT 4 (MORE ON HTML)	STUDENTS WILL BE ABLE TO UNDERSTAND THE TOPIC.	CRITICAL THINKING AND DIGTAL COMPETENCY	1/8/22 TO 19/8/22	4	GROUP DISSCUSSION	QUIZ	BOOK AND LAB	COMPUTATIONAL AND LOGICAL SKILLS	NA	COLLECT THE PICTURES OF HOME PAGES OF SOME OF YOUR FAVOURITE WERSITES AND PASTE				
UNIT 5 (CREATING WEBPAGE USING HTML)	STUDENTS WILL BE ABLE TO UNDERSTAND THE TOPIC.	CRITICAL THINKING AND DIGTAL COMPETENCY	22/8/22 TO 14/9/22	6	LAB PRACTICAL	SHORT QUESTION	BOOK AND LAB	COMPUTATIONAL AND LOGICAL SKILLS	CREATE A WEBPAGE USING HTML. WRITE THE INFORMATION ABOUT NATURE.	LAB PRACTICAL:CREATE A WEBPAGE ON YOUR DESIRE TOPIC.				
UNIT 6 (MORE ON ADOBE FLASH PROFESSIONAL CS6)	STUDENTS WILL BE ABLE TO UNDERSTAND THE TOPIC.	CRITICAL THINKING AND DIGTAL COMPETENCY	26/9/22 TO 29/9/22 , 10/10/22 TO 21/10/22	4	LAB PRACTICAL	WHICH GAE YOU ARE PLAYING ON THE COMPUTER?	BOOK AND LAB	COMPUTATIONAL AND LOGICAL SKILLS	YOU HAVE LARNED ABOUT THE LIFE CYCLE OF A BUTTERFLY IN SCIENCE. CREATE AN ANIMATION SHOWING THE LIFE	LAB PRACTICAL: DRAW A RECTANGLE AND CHANGE IT INTO CUBIOD USING CREATED SHARE				
UNIT 7 (MORE ON INTERNET)	STUDENTS WILL BE ABLE TO UNDERSTAND THE TOPIC.	CRITICAL THINKING AND DIGTAL COMPETENCY	2/11/22 TO 25/11/22	6	GROUP DISSCUSSION	QUIZ	BOOK AND PPT	COMPUTATIONAL AND LOGICAL SKILLS	SUPPOSE THAT YOU ARE WORKING IN ANY COMPANY AND YOU HAVE TO CREAT A BLOG FOR THAT, HOWYOU WILL CREATE?	COLLEXT INFORMATION ABOUT AN E-GOVERNANCE PROJECT OPERATING IN INDIA LISING				
UNIT 8 (COMPUTER ETHICS, CRIME AND SECURITY)	STUDENTS WILL BE ABLE TO UNDERSTAND THE TOPIC.	CRITICAL THINKING AND DIGTAL COMPETENCY	1/12/22 TO 22/12/22	4	GROUP DISSUSSION	QUIZ	BOOK AND PPT	COMPUTATIONAL AND LOGICAL SKILLS	NA	PREPARE A POSTER TO SHOW THE IMPORTANCE OF ETHICS.				



	S	ENGLISH				GRADE 8					
L NN	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
Unit 2- chp 4- Art rocks	At the end of the lesson students will learn about different rock arts	Develop observation skills	20/06/22- 22/06/22	3	Student centric	Have they ever been on a train trip	charts, videos, worksheet, textbook	Importance of observation	Different forms of rock arts	Importance of rock arts	students learned about the concerned text
Ch5- The last stonemason	At the end of the lesson students will know about the dying art Stonemason.	Develop observation skills	22/06/22- 27/06/22	6	Student centric	Do they any other art forms on stone	textbook and woksheet	Will value the ancient art forms	other forms of stone arts	Benefits of being selfless and helpful	students learned about the concerned text
Ch6- Ozymandias	At the end of the lesson students will understand that all power is temporary no matter how prideful or tyrannical a ruler is.	Value of time	28/06/22- 04/07/22	7	Student centric	Have they ever experienced any thing powerful destroyed with the passage of	charts ,text book ,worksheets	Will Value time	Great dynasties destroyed with time	Importance of ancient art forms	students learned about the concerned text
Unit3: An Indian kaleidoscope Ch7- On being an Indian	At the end of the lesson students will know about Deepak and struggling author Arun	Love for one's country	05/07/22- 09/07/22	6	Student centric	other work by Ruskin bond	charts, videos, worksheet, textbook	Patriotism	Love for one's country	Importance of rock arts	students learned about the concerned text
Ch8- The Idea of India	At the end of the lesson students will know about the basics of the constitution	Will know about the rights and duties	11/07/22- 16/07/22	6	Student centric	What is Constitution	charts, videos, worksheet	Aware citizens	Duties and responsibilities of a citizen	analytical thinking	students learned about the concepts related to the text
Ch9- In the Bazaars Of Hyderabad	At the end of the lesson students will know about the rich tradition of India	Will gain knowledge about the rich quality of the Indian products	18/07/22- 23/07/22	6	Student centric	Traditional products of their state	charts, videos, worksheet, textbook	Observation skills	Varied products of India and their qualities	analytical thinking	students learned about the concepts related to the text
Unit4: Inventions and discoveries Ch10- An amazing Ancestor	At the end of the lesson students will know the evolution of typewriter	knowledge about modern gadgets	25/07/22- 30/07/22	6	Student centric	knowledge about modern gadgets	charts, videos, worksheet , textbook	Observation skills	Different forms gadgets and its evolution	critical thinking	students learned about the concepts related to the text
Ch 11- Madame Curie	At the end of the lesson students will know about the discovery of radium by Madame Madame Curie	curiosity to discover new things	01/08/22- 09/08/22	6	Student centric	their knowledge about Radium element	charts, videos, worksheet, textbook	listening and observing skills	What it takes to discover new things	analytical thinking	students learned about the concepts related to the text
Ch 12- The Microscope	At the end of the lesson students will understand how science which seems irrelevant and crazy later actually advances the world	knowledge about modern gadgets	10/08/22- 18/08/22	6	Student centric	knowledge about modern gadgets	charts ,text book ,worksheets	scientific temperament is developed	knowledge about the use of microscope	analytical thinking	students learned about the concerned text
Unit 5: The magic of words Ch 13- The Palindrome	At the end of the lesson students will know about the story of Tenali Raman	how positivity can change a curse into a boon	19/08/22- 27/08/22	6	Student centric	Any other story of Tenali Raman	charts ,text book ,worksheets	how positivity can change a curse into a boon	Will know about King Krishnadevaraya's court	Importance of positive thinking	students learned about the concerned text
Ch14- Advia!	At the end of the lesson students will know the meanining of Advia	courage to break the stereotypes	29/08/22- 07/09/22	6	Student centric	any other works of the author	charts ,text book ,worksheets	Observation skills	Humanity	Humanity	students learned about the concerned text
Ch15- Flutters of Thought	At the end of the lesson students will understand that sometimes words are not capable express the feelings of thee poet	Will understand the importance of words	08/09/22- 17/09/22	6	Student centric	any other works of the poet	charts ,text book ,worksheets	listening and observing skills	Rhetorical devices	importance of words chosen	students learned about the concerned text
Unit 6: Heal The Earth Ch16- An interview with Arun Krishanmurthy	At the end of the lesson students will know about the great environmentalist Arun Krishnamurthy	Importance of environment	18/09/22- 26/09/22	6	Student centric	Importance of environment	charts ,text book ,worksheets	Will value the environment	Name other environmentalists	Ways to protect our environment	students learned about the concerned text
Ch17- An island of trees	At the end of the lesson students will understand the close relationship between parents and children	special bond shared by them	27/09/22- 04/10/22	6	Student centric	any other works of the author	charts ,text book ,worksheets	importance of parents	Mankind against urbanization and deforestation	Ways to protect our environment	students learned about the concerned text
Ch18- The Tyger	At the end of the lesson students will learn about the theme of the poem I.e creation and origin	Will know the qualities of a Tyger	05/10/22- 15/10/22	6	Student centric	any other works of the poet	charts ,text book ,worksheets	Observation skills	Rhetorical devices	analytical thinking	students learned about the concerned text
Unit 7: In the name of peace Ch 19- Ashoka, the messenger of Peace	At the end of the lesson students will know about King Ashoka and Buddhism	tenets of Buddhism	16/10/22- 25/10/22	6	Student centric	any other works of the author	charts ,text book ,worksheets	listening and observing skills	importance of peace	analytical thinking	students learned about the concerned text
Ch20- Towards Peace	At the end of the lesson students will know about Wangari Maathai and his contributions	Importance of environment	26/10/22- 03/11/22		Student centric	Importance of environment	charts ,text book ,worksheets	Will value the environment	Name other environmentalists	Ways to protect our environment	students learned about the concerned text
Ch 21- Maithreem Bhajatha- A Blessing for World Peace	At the end of the lesson students will learn how peacefully co-exist	Generosity and compassion	04/11/22- 12/11/22	6	Student centric	types of resources	charts, videos, worksheet	Generosity and compassion	sustainable use of resources	analytical thinking	students learned about the concerned text
Grammar - Worksheet 1	Students will be able to solve the worksheet	Collaboration/team work.	12/11/22- 01/12/22	10	techniques to solve unseen passage	techniques to solve unseen passage	charts,videos, worksheet	Grammatical knowledge of student increases	students solve the questions based on the same	critical thinking	students learned about the concepts related to the text
Grammar - Worksheet 2	Students will be able to solve the worksheet	Collaboration/team work.	02/12/22- 22/12/22	10	techniques to solve unseen passage	techniques to solve unseen passage	charts,videos, worksheet	analytical ability of the student increases	students solve the questions based on the same	analytical thinking	students learned about the concepts related to the text
NEVISION OF ANNUAL EXAM			2-30 January								



Grade:- 8	SUB			GRADE							
Unit	Objective to be Achieved	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
पाठ: 4 गणेश शंकर विद्यार्थी जीवनी	स्वतंत्रता सेनानी के जीवन से परिचय कराना	शब्द भंडार की वृद्धि स्वतंत्रता का महत्व व्याकरण बोध	21 June to 27 June	05	विद्यार्थी केंद्रित	बच्चे कुछ क्रांतिकारी से परिचित थे	पाठ्य पुस्तक	क्रांतिकारी के जीवन से प्रेरणा लेने के लिए कहूंगी	अन्य क्रांतिकारी के जीवनी पढ़ने के लिए उत्साहित करूंगी	वर्णनात्मक	बच्चों में देशभक्ति का विकास होगा
व्याकरण शब्द विचार	बच्चों में शब्द संबंधित जानकारी विकसित करना	शब्द का अर्थ शब्द का वर्गीकरण एवं उनका परिचय			विद्यार्थी केंद्रित	बच्चे हिंदी शब्द विचार से पूर्व परिचित थे	पाठ्य पुस्तक	शब्द बोध विकसित करना	विभिन्न शब्द एवं उनके प्रकार को पढ़ने के लिए कहूंगी	व्याकरण बोध	बच्चों में शब्द विचार एवं व्याकरण की समझ विकसित होगी
पाठ 5 मां की ममता कहानी	बच्चों को मां की ममता से परिचित कराना	भावार्थ जाना मां की महानता को चित्रित करना व्याकरण बोध	28 June to 4 July	05	विद्यार्थी केंद्रित	बच्चे मां की ममता से कितना परिचित है	पाठ्य पुस्तक	मां के प्रति आदर प्रेम एवं कर्तव्य का भाव विकसित करना	मां का सम्मान करने के लिए उत्साहित करना	भाव प्रदर्शन	बच्चे मां की महानता एवं उनके प्रभुत्व को समझने में विकास होगा
व्याकरण उपसर्ग	बच्चों में उपसर्ग संबंधी बोध विकसित करना	उपसर्ग का अर्थ मूल शब्द एवं उपसर्ग अलग करना सीखेगा			विद्यार्थी केंद्रित	बच्चे उपसर्व को पहले से कितना परिचित थे	पाठ्य पुस्तक	शब्द रचना विकसित करना	विभिन्न शब्दकोश निर्माण के नियम को पढ़ने के लिए कहूंगी	व्याकरण बोध	बच्चों में शब्द रचना का विकास होगा
पाठ ६ फूल और कांटा कविता	बच्चों को सज्जन और दुर्जन से परिचित कराना	भावार्थ आदर्श व्यक्तित्व का निर्माण व्याकरण बोध	5 July to 11 July	05	विद्यार्थी केंद्रित	बच्चे कविता के भाव से कितना परिचित थे	पाठ्य पुस्तक	आदर्श व्यक्तित्व का निर्माण	हरिओध की अन्य कविता को पढ़ने के लिए प्रेरित करूंगी	स्वभाव आधारित	बच्चों में अच्छे व्यक्तित्व का विकास होगा
व्याकरण प्रत्यय	बच्चों में प्रत्यय को समझाना	प्रत्यय की पहचान प्रत्यय के भेद एवं उनका परिचय			विद्यार्थी केंद्रित	बच्चे प्रत्यय को पूर्व से कितना जानते थे	पाठ्य पुस्तक	प्रत्यय युक्त शब्दों का निर्माण बताना	प्रत्यय के विभिन्न भेदों को पढ़ने के लिए प्रेरित करूंगी	व्याकरण बोध	बच्चों में प्रत्यय युक्त शब्द रचना का ज्ञान होना
पाठ :7 कलिंग विजय एकांकी	सम्राट अशोक का जीवन परिचय कराना	िभाव समझाना कलिंग युद्ध की ऐतिहासिक घटना का उल्लेख	12 July to 18 July.	05	विद्यार्थी केंद्रित	बच्चे पहले से कलिंग युद्ध को कितना जानते थे	पाठ्य पुस्तक	सम्राट अशोक के जीवन से प्रेरणा लेने के लिए बताऊंगी	सम्राट अशोक से संबंधित अन्य एकांकी को पढ़ने के लिए प्रेरित करूंगी	एकांकी आधारित	बच्चों में दृढ संकल्प शक्ति का विकास होगा
व्याकरण समास	बच्चों में समास का ज्ञान कराना	सामासिक शब्दों की पहचान समास के भेदों की पहचान कराना			विद्यार्थी केंद्रित	बच्चे पूर्व से समाज को कितना जानते थे	पाठ्य पुस्तक	बच्चे समाज को विस्तार से सीखेगा	व्याकरण पढ़ने के लिए प्रेरित करूंगी	व्याकरण बोध	समास एवं उसके भेदों का ज्ञान होगा
पाठ: ८ सूखे सुमन से कविता	जीवन दर्शन को जानना	भाव ग्रहण करना प्रकृति का चित्रण एवं व्याकरण बोध	19 July to 25 July	05	विद्यार्थी केंद्रित	बच्चे पूर्व से फूल को कितना समझते थे	पाठ्य पुस्तक	पुष्प के माध्यम से जीवन दर्शन कर आऊंगी	महादेवी वर्मा की अन्य कविता को पढ़ने के लिए प्रेरित करूंगी	तुलनात्मक बोध	बच्चों में अच्छे व्यवहार का विकास होगा
व्याकरण संज्ञा	संज्ञा शब्द का ज्ञान	संज्ञा की परिभाषा संज्ञा के भेद व्यक्तिवाचक एवं जातिवाचक में अंतर			विद्यार्थी केंद्रित	बच्चे पूर्व से संज्ञा को क्या जान रहे थे	पाठ्य पुस्तक	व्यक्तिवाचक एवं जातिवाचक संज्ञा को बताऊंगी	बच्चों को हिंदी व्याकरण पढ़ने के लिए प्रेरित करूंगी	वर्णनात्मक	बच्चों में संज्ञा को पहचानने का ज्ञान होगा
पाठ 9 लाल अंगारों की मुस्कान कहानी	सर्वस्व समर्पण की भावना का ज्ञान कराना	भावार्थ सर्व धर्म सम्मान शौर्य गाथाओं का ज्ञान व्याकरण बोध	26 July to 1 August	05	विद्यार्थी केंद्रित	बच्चे पूर्व से ऐतिहासिक घटना को कितना जानते थे	पाठ्य पुस्तक	सर्वस्व समर्पण की भावना का बोध कर आऊ कराऊंगी	बच्चों को पन्नाधाय की कहानी को पढ़ने के लिए प्रेरित करूंगी	शौर्य गाथाओं का बोध	बच्चों में सहयोग की भावना का विकास होगा
व्याकरण लिंग	लिंग की पहचान एवं प्रयोग	लिंग के भेद उसकी पहचान लिंग परिवर्तन के नियम को बताऊंगी			विद्यार्थी केंद्रित	बच्चे पूर्व से लिंग शब्द से कितना परिचित थे	पाठ्य पुस्तक	लिंग परिवर्तन के नियम को बताऊंगी	हिंदी व्याकरण पढ़ने के लिए प्रेरित करूंगी	व्याकरण बुक	बच्चों में लिंग की पहचान का विकास होगा
पाठ 10 नेहरू तारा घर: अंतरिक्ष की दुपहरी झांकी पत्र	अतरिक्ष विज्ञान की जानकारी	भावार्थ ऐतिहासिक इमारतों के बारे में जानकारी	2 August to 8 August	05	विद्यार्थी केंद्रित	बच्चे नेहरू को कितना जान रहे थे	पाठ्य पुस्तक	एतिहासिक इमारतों के बारे में बताऊंगी	अन्य तारा घर को देखने के लिए कहूंगी	দর হালা	बच्ची में तारा घर के बारे में जानकारी हुआ
विवन वचन	विचन का विस्तार से जीनगा	विचन का परिभाषी वचन के भेद वचन परिवर्तन के नियम को जानेगा			। वधाया कार्द्रत किन्ना की संस्थित	बच्च वचन का ।कतनी जानते थे	पाठय पुस्तक	वचन क मद वचन परिवर्तन के नियम को बताऊंगी	व्याकरण पढ़न के लिए प्रारंत करूंगी	व्याकरण बाध	बच्चा म वचन का समझन का विकास होगी
पाठ 11 शक्ति और क्षमा कविता व्याकरण	शाक्त आर क्षमा क नातिया का जीननों बच्चे कारक को जानेगा	मावाय क्षमा शालती गौरव गरिमा का चित्रण कारक की परिभाषा	9 August to 16 August	05	ावधाया काद्रत विद्यार्थी केंद्रित	बच्च क्षमा आर शाक्त की क्या जानते थे बच्चों में पहले से कारक	पाठ्य पुस्तक पाठ्य पुस्तक	द्ममाशालता, दया शक्ति के महत्व को बतलाऊंगी कारक कारक के भेद	ादनकर का कावताए पढ़न के लिए कहूंगी व्याकरण पढ़ने के लिए प्रेरित	কুংধ্যে ক। খান व्याकरण बोध	बच्चा म शाक्त आर क्षमा का समझन को विकास होगा बच्चों में कारक का बोध होगा
कारक		कारक के भेद कारक के चिन्ह को बताऊंगी				के बारे में कितनी जानकारी थी		संबंधी नियमों को बताऊंगी	करूंगी		



INTERNATIONAL PUBLIC SCHOOL, PURNEA											
	SUBJECT	1	GNITE ILLUMINE INSP	IRE					GRADE		
LINU	OBJECTIVE TO BE ACHEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF UNNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CROSS APRIOACH APRIOACH WITH WITH WITH WITH CULTURE CULTURE	ELEMENT OF INNOVATION	DUTCOME
1. RATIONAL NUMBERS	RATIONQAL NUMBERS AND THEIR PROPERTIES, FINDING RATIONAL NUMBER IN BETWEEN OF TWO RATIONAL NUMBERS , AND THE REPRESINTATION OF Rational number on number line	CRITICAL THINKING			Draw a concept map of rational numbers with their different properties	Recall about the natural numbers, whole numbers, integers ,farction and rational numbers and some question Bsed on them	CHART PAPER, PENCIL DIFFERENT COLOUR SKETCH PEN, AND GRAPH PAPER	INTEGRITY		to subtact two rational number through an activity using different manupulative	
2. EXPONENTS AND POWERS											
3. SQUARE AND SQUARE ROOT											
4. CUBES AND CUBE ROOTS	After going through this chapter, students will be able to -find the cube of natural numbers, negative numbers and rational numbers and identify perfect cubes, * analyse the pproperties of perfect cubes, * find various pattern in cube numbers, * find cube of perfect cubes by prime factorisation and estimation merthods, * apply the concept of cubes and cubes root to solve questions related to real-life situations	problems solving	20 june 24 june	5	Explain the topic with help of concept maps and various types of application based problems from the topic and prepare a power point presentation explaining how to solve a basic Rubic cube puzzle	form a table represnting the cubes of natural numbers up to 20	a pen, some papers, a ruler, a pencil and a eraser	integrity	The volume of a cubes is found using cubes and the side of a cube whose volume is known is determined using cube roots. In exponents, raising a number to the power of 3 means the numbers is being cubed. Engineers and carpenters use these numbers in the diay cubudators. This find the numbers of boxes that can fit into a big cubical box, we use the concept of cube and cube roots.	short cut method for finding the cubes of a bwo-digit numbers.	all students understand that gr-"find the cube of natural numbers, negative numbers and rational numbers and identify perfect cubes, * analyse the pproperties of perfect cubes, * find various pattern in cube unbers, * find cube of perfect cubes by prime factorisation and estimation merthods, * apply the concept of cubes and cubes root to solve questions related to real-life situations
5. PLAYING WITH NUMBERS	after going through this chapter, students will be able to- *write the generalised form of numbers, *learn to erite numbers using letters, *learn some interesting numbers puzzles and games. *learn about divisibility test of numbrs by 10, 5,2,9 and 3	critical thinking	27 june to 1 july	5	explain the topic with the help of video presentation oif the topic and solve various types of number series based on it	checking about the knowledge of numbers - natural numbe3rs, whole numbers, integers, and their properties	some colourful papers and a pen	care	Numbesr play a very vital role in our life. Their relevance cannot be explained by mere words. Numbers puzzles and challenges help develop our intellect and delay our aging process. From the time of our birt, the numbers of times our heart	to explore numbers through codes.	all able to understand that: write the generalised form of numbers, "learn to erite numbers using letters, " learn some interesting numbers puzzles and games." leatrn about divisibility test of numbrs by 10, 5, 2, 9 and 3
6. LINEAR EQUATIONS IN ONE VARIABLES	After going through this chapter, students will be able to- solve all types of linear equations in one variable, "reduce linear equations to simpler or linear forms, "solve linear equations with variables on both sides, "solve questions on applications of linear equations in one variables	problems solving	4 july to 13 july	9	Explain the topic Reseach and prepare a project on the significance of linear graph. Explain what is a linear graph, why it is so called? How is it useful in scientific reaserch and in commercial selling? Include detailed description with pictures.	checking about the knowledge - meaning of equation, what is the meaning of balance equation, what is LHS and RHS	a graph sheet, a pencil and a paper	respect	Apart from the various situations we observed throughout the chapter where linear equations are helpful one other area where this concept works effectively in making predictions.	to learn how to represent a linear equation graphically.	students understand how to- * solve all types of linear equations in one variable, * reduce linear equations to simpler or linear forms, * solve linear equations with variables on both sides, * solve questions on applications of linear equations in one variables
7. ALGEBRAIC EXPRESSION AND IDENTITIES	After going through this chapter, you will be able to: "define an algebraic expression and various terms associated with it, "add, subtract, multiply and divide algebraic expression," understand and apply the algebraic identities	problems solving	20 july to 28 july	7	expain the topic with concept map and video presentation where showcase the different methods to solve the algebraic expression.	Recall about the numbers and latters and their use in the algebraic expression.	CHART PAPER, PENCIL DIFFERENT COLOUR SKETCH PEN, AND GRAPH PAPER	tolerance	ALCEBAN IS A VIST AREA OF MATTEMATICS WITT A COLECCION OF NUMBERS, LITERAIS AND SYMBOLS. IT METGES INT ALLAREA OF REAL LEF AS IT HEU'S IN GENERALISING SITUATIONS. LIFE SITUATIONS WHERE WINNOWN ARE WINULUED CAN BE SOLVED USING ALCEBAN, URANOUS COMPLEX CALCULATIONS ARE PERFORMED USING ALCEBANALIDENTITIES, GEOMETRY IS ALSO LOGSELY INTERCONNECTED WITH ALGEBAN AS YOU WILL LEARN LATER.	RESEARCH AND PREPARE A PROJECT ON QUADRATIC, CUBICAND LINMEAR POLYNOMIALS.	ALL understand that: define an algebraic expression and various terms associated with 1, * add, subtract, multiply and divide algebraic sepression, *understand and apply the algebraic identities
8. FACTORISATION	AFTER GOING THROUGH THIS CAHPTER, YOU WILL BE ABLE TO: UNDERSTAND AND FIND FACTORS OF AN ALGEBRAIC EXPRESSION, FACTORSATION USING METHOD OF COOMON FACTOR, FACTORSATION USING METHOD OF REGROUPING, FACTORSATION USING IDENTITIES, FACTORSATION OF QUADRATIC TRINOMIAL, RESOLVE COMMON EEEORS IN SOLVING EXPRESSION.	CRITICAL THINKING	1 aug to 12 aug	8	EXPLAIN THE TOPIC OF CONCEPTMAP AND VAIROUS TYPES OF PICTORIAL REPRESENTATION OF SOLVING ALGEBRAIC EXPRESSION . AND PROBLEMS SOLVING	RECALL THE RECAP KNOWLEDGE OF PREVIOUS CAHPTER ALGEBRAIC EXPRESSION AND IDENTITIES. AND ALSO FIND THE DIFFERENCE BETWEEN FACTOR AND MULTIPLE	CHART PAPER, PENCIL DIFFERENT COLOUR SKETCH PEN, AND GRAPH PAPER	CARE	FACTORISATION IS THE BASIS OF ALGEBRAIC EXPRESSION. IT IS THE ONLY WAY THAT EVPRESSIONS CAN BE RESOLVED INTO MIREDUCIBLE FACTOR. THIS ALSO GOSTA LONG WAY IN SOLVING QUADRATIC AND OTHER EQUATIONS. FACTORRATION IS ALSO AN IMPORTANT TOOL IN PATTERN RECOMMITION. TO ABILITY TO SEE POATERNS IN DAILY UTE STILATION IS AN IMPORTANT SKILL TO GRAPHS, ESPECIALLY WHEN DEALING WITH NEW STILATIONS.	PREPARE A POWER POINT PRESENTATION TO SOLVE QUADRATIC EQUATIONS . AND ALSO FIND THEIR ROOTS.	ALL STUDENTS UNDERSTAND AND FIND FACTORS OF AN ALGEBRAIC EXPRESSION, FACTORISATION USING METHOD OF COMONN FACTOR FACTORISATION USING METHOD OF REGROUPING, FACTORISATION USING IDENTIFIES, FACTORISATION OF QUADRATIC THROMANL, RESOLVE COMMON EEEORS IN SOLVING EXPRESSION.
9. COMPARING QUANTITIES	AFTER GOING THROUGH THIS CHAPTER, YOU will be able to- DEPRESS THE GUYEN QUANTITY AS PRECENTAGE OF ANOTHER QUANTITY, EXPLAIN PRECENTAGE INCREASE AND DECREASE, ACLULUIE PROFINATION LOSS, OVERHEAD VHANGES AND PROFIT/LOSS PERCENT, UNDERSTAND THE RELATIONSHIP BETWEEN ISCOUNT AND SUCCESSIVE DISCOUNT, RECOGNISE DIFFERENT TYPES OF TAXES IN OUR COUNTRY.	problems solving	16 aug to 26 aug	8	EXPLAIN THE TOPIC WITH HELP OF CONCEPT MAR AND VARIETY OF PROBLEMS BEASED ON THESE CONCEPT MAP	RECALL THE RECAP KNOWLEDGE ABOUT THE PERCENTAGE, PROFIT LOSS, CP, SP ETC	CHART PAPER, PENCIL DIFFERENT COLOUR SKETCH PEN, AND GRAPH PAPER	HONESTY	COMMERCE AND INDUSTRY INVOLVES A LOT OF COMMERCIAL MATHEMATICS ANY USINGSES BET HIST A SMALL SHOP OR A HUNGE MULTINATIONAL COMPANY HAVE PERCENTAGE, PROFIT LOSS AND TAXES ALL INTRICATELY WOVEN INTO THEIR SYSTEM.	PREPARE A DETAILED REPORT ON G.S.T. THE NEED FOR GST IN INDIA, WHEN AS IT INTRODUCED, ITS IMPACT ON THE INDIAN ECONOMY AND THE PEOPLE IN GENERAL	ALL STUDENTS UNDERSTAND HOW TO EXPRESS THE GIVEN QUANTITY AS PRECENTAGE OR MONTHER QUANTITY, EXPLAIN PERCENTAGE INCREASE AND DECREASES, CALCILLATE PROVINT AND LOSS, OVERHEAD VHARGES AND PROFIL/LOSS PERCENT, UNDERSTAND THE RELATIONSHIP BETWEEN DISCOUNT AND SUCCESSIVE DISCOUNT, RECOGNISE DIFFERENT TYPES OF TAXES IN OUR COUNTRY.
10. DIRECT AND INVERSE VARIATIONS	AFTER GOING THROUGH THIS CHAPTER, YOU WILL BE ABLE TO: UNDERSTAND THE CONCEPT OF VARIATION, DIFFERENTIATE BETWEEN DIRECT AND INVERSE VARIATIONS, APPRY DIRECT AND INVERSE VARIATIONS FOR SOLVING VARIOUS REAL LIFE PROBLEMS, SOLVE PROBLEMS RELATED TO TIME AND WORK, TIME DISTANCE USING THE CONCEPT OF DIRECT AND INVERSE VARIATIONS	problems solving	29 july to 12 sep	9	EXPLAIN THE TOPIC WITH HELP OF CONCEPT MAP AND VARIETY OF PROBLEMS BEASED ON THESE CONCEPT MAP	RECALL THE RECAP KNOWLEDGE THAT WHAT IS THE MEANING OF RATIO ETC.	CHART PAPER, PENCIL DIFFERENT COLOUR SKETCH PEN, AND GRAPH PAPER	HONESTY	THE CONCEPT OF VARAITON IS USED IN SOLVING MANY REAL- ULE PROBLEMS, FOLLOWING ARE THE TWO FIELD IN WHICH WE USE THE CONCEPT OF VARIATION EXTENSIVELY: TIME AND WORK, TIME AND DISTANCE	PREPARE A POWER POINT PRESENTATION WITH 3-D ANIMATIONS EXPALINING THE VARIATION BETWEEN AREA OF BASE AND HEIGHT OF A CYLIMINDER OF A SPECIFIC VOLUME.	ALL STUDENTS UNDERSTAND THE CONCEPT OF VARIATIONS UNFERENTIATE TENERO INIECT AND INVERSE VARIATIONS , APPLY DIRECT AND INVERSE VARIATIONS FOR SOLVING VARIOUS REAL LINE PROBLEMS, SOLVE PROBLEMS RELATED TO TIME AND WORK, TIME DISTANCE USING THE CONCEPT OF DIRECT AND INVERSE VARIATIONS
11. SIMPLE INTEREST AND COMPOUND INTEREST	AFTER GOING THROUGH THIS CHAPTER, YOU WILL EE ABLE TO: DIFFERENTIATE BETWEEN SI AND O, CALCULATE CI BY SI METHOD AND SUMG FORMULA FOR CI, UNDERSTAND TERMS LIKE COMPOUNDED JANLF YEARLY, COMPOUNDESD ANNUALLY AND COMPOUNDED QUARTERLY, UNDERSTAND THE CONCEPT OF APPRECIATION AND COEPRECATION THE CHANGING VALUES DUE TO INFLATION, CALCULATE THE RISE AND FALL IN POPULATION IN A THE FERIOD.	problems solving	23 sep to 30 sep	6	EXAIN THE TOPIC WITH HELP OF CONCEPT MAP AND VIDEO PRESENTATION .	RECALL THE RECAP KNOWLEDGE RELATE TO THIS CHAPTER MEANING OF SI AND CI	CHART PAPER, PENCIL DIFFERENT COLOUR SKETCH PEN, AND GRAPH PAPER	HONESTY	SI IS ADVAITAGEOUS WHEN A SUM IS BORBOWED. FOR EXAMPLE, CAR LOANS, CONSUMER LOANS AND SMALL LOANS AT HE INTERST REMAINS THE SAME AND THE CALCULATION IS SIMPLE AND STAREHT FORWARD. C GIVE MAXIMUM RETURNS IN INVESTMENTS AND SAWINGS. OF OR ANYOLE WHO IS EARNING OR HAS A SMALL BUSINESS, GENERATING PROFITS THROUGH CI WOULD BE A GOOD OPTIONS.	NUTUAL FUNDS IS SOUGHT AFTER INVESTMENTSD OPTION FOR THE COMMON MAN IN OUR PRESENT TIMES. PREPARE A HANDBOOK INCLUDING DETAILS OF WHAT NUTULE FUNDS WEARL, HOW IST EREMFICIAL, WHAT IS SIP WITH A REAL - LIFE EXAMPLES.	ALL STUDENTS UNDERSTAND THAT HOW TO DIFFERENTIATE BETWEEN SI AND C, CALCULATE CI BY SI METHOD AND BY USING FORMULA FOR CJ, UNDERSTAND TEMNS LIKE COMPOUNDED HALI-YEARHY, COMPOUNDESD ANNUALY AND COMPOUNDED QUARTERY, UNDERSTAND THE CONCEPT OF APPECIATION AND CDEPRECIATION THE CHANGING VIALUES DUE TO INFLATION, CALCULATE THE RISE AND FAIL IN OPPOLATION IN A TIME PERIOD.
12. UNDERSTANDING QUADRILATERALS	AFTER GOING THROUGH THIS CHAPTER, YOU MILL EF ABLE TO LEMTHY CURREND ROYACIONS, CLASSIFY CONYCONS, EVANUM TERMS LIKE O INCOMAS, INTERIOR EXTERIOR AND DIVIDARY, IDENTIFY AND DIFFERENTIATE RETWEEN CONVEX, CONCAVE, REGULAR AND IRREGULAR POLYCON, UNDERSTAND AND APPLY THE ANDES SUM PROPERTY OF QUADRIATERALS, UNDERSTAND AND APPLY THE EXTERIOR MIGLE PROPERTY OF QUADRIALTERAS, JOENTIFY DIFFERENT QUADRIATERALS AND EXPLAIN THEIR PROPERTIES,	CRITICAL THINKING	10 oct to 21 oct	10	EXPALIN THE TOPIC WITH VIDEO PRESENTATION, AND EXPALIN THEIR PROPERTIES IN A TABULAR FORM	RECALL THE CONCEPT OF LINE AND ANGLES PLANE FIGURE 2-D IMAGE , CURVED LINE AND STAIGHT LINE ETC	DIFFERENT COLOUR PENCILS, RULER, A PAIROF SCISSORS, GLUE AND AN ERASER	INTEGRITY	ARCHTECTURE INVOLVES BUILDING LAKE AND HOUSE PLANS, WHERE IN THE OSSIQU AVOUT IS REPERSIVETO IN A DAGGAM USING A COMBINATION OF OULDORILATERAL AND A FEW OTHER SHAPSS. THE FANOLOS Fanthenon temple in athens is based on the theory of golden rectsangle.	TO VERIFY THE ANGLE SUM PROPERTY OF A QUADRILATERAL	ALL STUDENTS UNCERSTAND THAT HOW TO TO IDENTIFY CURPE AND POLYGONS, CLASSIFY POLYGONS, ESPATH TEMS LIKE DIAGONALS, INTERIOR, EXTERIOR AND BOUNDARF, IDENTIFY AND DEFECTIVATE ESTWEEN CONVEX, CONCAVE, REGULAR AND INREGULAR POLYGON, UNCERSTAND AND APPLY THE ANDELS, UNENTIFY OF GUADRILATERALS, UNDERSTAND AND APPLY THE EXTERIOR ANGLE PROPERTY OF GUADRILATERALS, IDENTIFY DEFERSIN GUADRILATERALS AND EXPLAIN THEIR PROPERTIES,
13. VISUALISING SOLID SHAPES	AFTER GOING THROUGH THIS CHAPTER, YOU WILL EA ABL TO: UNDERSTAND AND PREIOT THE TOP UNE, SIDE VIEW AND FRONT VIEW OF 3D SHAPES AND DAILY LIFE OBJECTS, MAP THE SPACE AROUND US, DENTIFY INSETED SOLIDS, DIFFERENTIATE ERWERN POLYHEDRONS, NON-POLYHEDRONS, CONVEX AND REGULAR DUNHEDRONS, NON-POLYHEDRONS, CONVEX AND REGULAR DUNHEDRONS, NON-POLYHEDRONS, CONVEX AND REGULAR POLYHEDRONS, NON-POLYHEDRONS, CONVEX AND REGULAR POLYHEDRONS, NON-POLYHEDRONS, CONVEX AND REGULAR POLYHEDRONS, NON-POLYHEDRONS, CONVEX AND REGULAR DUNHEDRONS, REGULAR DUNHEDRONS, CONVEX AND REGULAR DUNHEDRONS, ROUND FINITAR DUNHEDRONS, CONVEX REGULAR DUNHEDRONS, ROUND FINITAR DUNHEDRONS, ROUND FINITAR	CRITICAL THINKING	2 to 11 nov.	8	EXPLAIN THE TOPIC WITH PICTORIAL REPRESENTATION AND USING CONCEPT MAP	RECALL THE RECAP KNOWLEDGE ABOUT THE DIFFERENT SHAPES OF SOLIDS USED IN OUR DAILY LIFE	PENCIL FOR SKETCHUING, A RULER, AN ERASER, DRAWING SHEET AND 3DIFFERENT 3-D SOLIDS OF DAILY USE	INTEGRITY	THE EMERINIS TECHANOLOGY OF 3D PRINTING REQUIRES A PERSON TO BUILD A SOLID 3D MODEL OF THE DESIGNED OBJECT ON A SOFTWARE REST USING COMPUTERS SAND ONLY SAFET THE READING ALL THE PARAMETERS AND CONFIGURATIONS OF THE 3D OBJECTS DOG THE PRINTER REARTS A PROTOTYPE. 3D PRINTING TECHANOLOGY IS USED WIDELY IN MANUFACTURING MEDIC/SAL, TEXTLES AND AVIATION INDUSTRES.	TO REINFORCE THE IDEA OF PERPECTIVESA THROUGH DRAWING.	ALL STUDENT NOW UNDERSTANT AND PREDUCT THE TOP UREW, SDE VIEW AND FRONT VIEW OF 3D SHAPES AND DAILY UHE GBIECTS, MAP THE SPACE ARCUND US, JOENTIN NESTED SOLIDS, DIFFERENTIATE BETWEEN POLYHEDRONS, NON-POLYHEDRONS, CONVEX AND REGULAR POLYHEDRONS , UNDERSTAND AND APPLY EULER'S FORMULA, DRAW 2D REPRESENTATION OF 3D DBIECTS THROUGH OBLIQUE AND GOMETTRIC DRAWINGS
14. PRACTICAL GEOMETRY	AFTER GOING THROUGH THIS CHAPTER, YOU WILL BE ABLE TO: CONSTRUCT QUADRILATENALS AND CONSTRUCT SPECIAL TYPES OF QUADRILATENES SUCH AS A SQUARE, A RHOMBUS, A RECTANGLE AND A PARALLELOGRAM.	CRITICAL THINKING	15 nov to 5 dec	8	EXPLAIN THAT HOW TO CONSTRUCT SHAPES WITH VIDEO REPRESENTATION	RECALL THE BASIC PROPERTIES OF A QUADRILATERALS AND HOW MANY TYPES OF IT.	PENCIL FOR SKETCHUING, A RULER, AN ERASER, DRAWING SHEET, GEOMETRY BOX, A GRAPH COPYAND 3DIFFERENT 3-D SOLIDS OF DAILY USE	INTEGRITY	ART AND ARCHITECTURE ARE FIELDS WHERE CONSTRUCTION PLAY A MAJOR ROLE. DESIGNING STRUCTURES, INTERIOR DESIGNING ADAVOSTA DESIGNING ADAVOSTA THROUGH KNOWLDEGE OF CONSTUCTION, INVOLVING TECHNICAL DEXTERITY AND THE ABILITY TO VISUALISE.	SUGGEST ATLEAST ONE METHOD OTHER THAN THAT GIVEN IN THE EXAMPLES TO CONSTUCT THE FOLLOW ING SPECIAL QUADRILATERALS : PARALLELOGRAM, SQUARE, RHOMBUS MENTION THE PORPERTY YOU WILL USE TO CONSTUCT EACH.	ALL STUDENTS UNDERSATIND THAT HOW TO CONSTRUCT QUARRILATERALS AND CONSTRUCT SPECIAL TYPES OF QUARRILATERALS SUCH AS A SQUARE, A PHOMBUS, A RECTANGLE AND A PARALLELOGRAM.
15. AREA OF POLYGONS	AFTER GOING THROUGH THIS CHAPTER, YOU WILL BE ABLE TO: DETERMINE THE ABEA OF PAUAE FIGURES, DETERMINE THE ABEA OF REGULA AND DREGULAR OVEROONS, APPLY THE FORMULA FOR AREA OF A GENERAL QUADRILATERAL, A RHOMBUS AND A TRAPEZUM	problems solving	6 to 16 dec	9	EXPALIN THE TOPIC WITH THE HELP OF VIDEO PRESENTATION AND CONCEPT MAP	RECALL THE DIFFERENT PROPERTIES OF QUADRILATERALS AND THEIR TYPES	DIFFERENT COLOURED SHEETS, A PAIR OF SCISSORS , A GLUE, A PEN, AND A PAPER.	INTEGRITY	WE NEED THE CONCEPT OF CALCULATING AREA IN OUR DAY TO DAY LIVES FOR PERCORM ING THE FOLLOWING POSIBLE TASKS TO PAINT THE WALLS, CLIING OR FANDOR, TO DAY TILES OR THE FLOOR OR THE BOTTOM OF A SWIMMING POOL, TO CALCULATE MATERIAR REQUARED FOR TENT, BECONTRY TIENS, ETC, PAINT PILLARS, COLUMNES, ETC, POUGH A FIELD, LAY GRASS IN THE PARK, DIVIDE A LAND INTO PARTS	TO REINFORCE THE FORULAE FOR AREAS OF PLANE FIGURES.	ALL STUDENTS UNDERSTAND THAT HOW TO DETERMINE THE AREA OF PLANE FIGURES, DETERMINE THE AREA OF REGULAR AND REGULAR POLYGORKS, APPLY THE FORMULA FOR AREA OF A GENERAL QUADRILATERAL, A RHOMBUS AND A TRAPEZIUM
16. SURFACE AREA AND VOLUME		I	I	I	I	I	1	I	1	1	1

2-30 January

SUBJECT SOCIAL STUDIES

GRADE 8

UNIT and THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
THE EXPANSION OF BRITISH POWER IN INDIA	LEARNER WILL UNDERSTAND THE REASONS FOR THE SPREAD OF MERCANTILISM AND TRADE WARS	GLOBAL AWARENESS	20th June to 24th June		5 WILL SHOW THEM INVASIONS OF BRITISHERS THROUGH A SHORT STORY OF BENGAL DIWANS	THROUGH CROSS QUESTIONING AND SHORT QUIZ	PICTURES, VIDEOS AND TEXTBOOK	RESPECT AND INTEGRITY	POLITICAL SCIENCE	PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE REASONS FOR THE SPREAD OF MERCANTILISM AND TRADE WARS
RURAL LIFE AND SOCIETY	LEARNER WILL UNDERSTAND THE LAND REVENUE POLICIES TILL 1857	GLOBAL AWARENESS	27th June to 1st July		5 WILL SHOW THEM THE LIFE OF PICTURES OF EARLY 1900s TO RELATE THE TOPIC	THROUGH SHOWING THEM SOME PICTURES OF THOSE TIME OF THEIR PREVIOUS CHAPTER TO RELATE	PICTURES, VIDEOS AND TEXTBOOK	RESPECT AND INTEGRITY	POLITICAL SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE LAND REVENUE POLICIES TILL 1857
COLONIALISM, TRIBAL SOCIETY AND INDUSTRIES	LEARNER WILL UNDERSTAND THE CHANGES IN TRIBAL SOCIETY AND TRIBAL REVOLTS	CULTURAL AWARENESS	4th July to 8th July		5 WILL MAKE THEM UNDERSTAND ABOUT THE CATEGORIES OF PEOPLE ACCORDING TO THEIR CASTES	THROUGH CROSS QUESTIONING ON THE BASIS OF PICTURES, VIDEOS AND SHORT	PICTURES, VIDEOS AND TEXTBOOK	RESPECT AND EMPATHY	TRADE AND POLITICAL SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE CHANGES IN TRIBAL SOCIETY AND TRIBAL REVOLTS
THE REVOLT OF 1857	LEARNER WILL UNDERSTAND THE CAUSES ,NATURE ,AND EFFECTS OF THE REVOLT	CRITICAL THINKING	11th July to 15th July		4 WILL MAKE THEN KNOW ABOUT THE REASONS AND CONSEQUENCES BEHIND THE REVOLT	THROUGH CROSS QUESTIONING ON THE BASIS OF VIDEOS, CHARTS AND PICTURES TO RELATE THE TOPIC	PICTURES, VIDEOS AND TEXTBOOK	INTEGRITY	POLITICAL SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE CAUSES ,NATURE ,AND EFFECTS OF THE REVOLT
WATER RESOURCES	LEARNER WILL UNDERSTAND THE AVAILABILITY AND REASONS BEHIND THE SCARCITY OF WATER	CRITICAL THINKING	18th July to 22nd July		5 WILL MAKE THEN UNDERSTAND ABOUT WATER DISTRIBUTION AND ITS NEED	THROUGH CROSS QUESTIONING ON THE BASIS OF SOME PICTURES AND VIDEOS	PICTURES, VIDEOS AND TEXTBOOK	CARE AND RESPECT	SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE AVAILABILITY AND REASONS BEHIND THE SCARCITY OF WATER
VEGETATION AND WILDLIFE	LEARNER WILL UNDERSTAND THE ECOSYSTEM AND THE VARIOUS TYPES OF FOREST AND THEIR DISTRIBUTION ON INDIA	GLOBAL AWARENESS AND CRITICAL THINKING	25th July to 29th July		5 WILL MAKE THEN UNDERSTAND THROUGH A FLOW CHART ABOUT ALL THE	THROUGH DIAGRAMS AND VIDEOS AND WILL ASK SOME QUESTIONS RELATED TO THAT	PICTURES, VIDEOS AND TEXTBOOK	CARE AND RESPECT	SCIENCE, BIOLOGY	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE ECOSYSTEM AND THE VARIOUS TYPES OF FOREST AND THEIR DISTRIBUTION ON INDIA
MINERAL AND POWER RESOURCES	LEARNER WILL UNDERSTAND THE TYPES AND OCCURRENCE OF MINERALS	GLOBAL AWARENESS AND CRITICAL THINKING	1st Aug to 5th Aug		5 WILL MAKE THEN UNDERSTAND ABOUT THE DIFFERENT USES OF POWER AND RESOURCES THROUGH	THROUGH CROSS QUESTIONING ON THE BASIS OF SOME VIDEOS RELATED TO DIVERSITY	PICTURES, VIDEOS AND TEXTBOOK	CARE AND RESPECT	SCIENCE,CHEMISTRY	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE TYPES AND OCCURRENCE OF MINERALS
PARLIAMENTARY GOVERNMENT	LEARNER WILL UNDERSTAND THAT WHY INDIA PREFER PARLIAMENTARY DEMOCRACY.	CITIZENSHIP AND (GLOBAL AWARENESS	8th Aug to 19 th Aug		8 WILL MAKE THEN UNDERSTAND FORMATION OF GOVERNMENT THROUGH SCHOOL	THROUGH CROSS QUESTIONING ABOUT THE SCHOOL CABINET SYSTEM TO RELATE TOPIC	PICTURES, VIDEOS AND TEXTBOOK	CARE, RESPECT AND RESILIENCE	SCHOOL CABINET SYSTEM, POLITICAL SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THAT WHY INDIA PREFER PARLIAMENTARY DEMOCRACY.
THE EXECUTIVE	LEARNER WILL UNDERSTAND THE FORMATION OF THE GOVERNMENT AND POWERS OF DIFFERENT DESIGNATIONS	CITIZENSHIP AND GLOBAL AWARENESS	22nd Aug to 26th Aug		5 WILL MAKE THEM UNDERSTAND ABOUT WORK PROCESS OF A COURT OF OUR COUNTRY TO RELATE IT	THROUGH CROSS QUESTIONING ABOUT THE SCHOOL CABINET SYSTEM TO RELATE TOPIC	PICTURES, VIDEOS AND TEXTBOOK	CARE, RESPECT AND RESILIENCE	WORK PROCESS OF COURT, POLITICAL SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE FORMATION OF THE GOVERNMENT AND POWERS OF DIFFERENT DESIGNATIONS

Revision of Annual Exam

2-30 January

1



	GRADE										
UNIT and THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
Crop production and managemnet	To learn about Crop production: Soil preparation, selection of seeds, Sowing,applying,fertilizers,irrigation, weeding harvestiing, storage, Nitrogen fixation	Enterpreneurship	19/04/2022- 25/04/2022	6	Use of presentation and videos to make them understand dsifferent pattern of cropping.	JAM, Short Quiz, What if, Reverse questioning.	Txt book, Presentation.	Respect	Different cropping patterns in different States.	PPT presentation on cropping pattern and tools, Virtual lab	Student would learn about To learn about Crop production: Soil preparation, selection of seeds, Sowing, applying, fertilizers, irrigation, we eding harvestiing, storage, Nitrogen fixation
Microorganism friends and foe	To know about Microorganism Benefits and Harm.	environment awreness	26-04-2022- 2/05/2022	5	Virtual lab and video presentattion of colonies of microorganisms and thrie development.	Reverse questioning, Thunk, JAM, Short quiz.	PPT, Videos, Chart, PDF.	Care	Microorganism in Different biogeochaemical cycle.	PPT, Virtual lab, Extra reading materials.	Student would learn about Microorganism Benefits and Harms.
Synthetic Fibre and Plastics.	Synthetic clothing materials, Other synthetic materials, especially plastics: The usefulness of plastics and problems associated with their excessive use.	Enterpreneurship and self learning	20-06-2022- 25/6/22	4	Burning test to distinguish between the fabrics.	Thunk, Short quiz, Jam, Reverse questioning, Extempore.	Chart, different cloth materials, Videos etc.	Tolerance	Different types of natural fibre grown in diffferent types of soil.	Text book, Charts, laboratory.	Student would know about Synthetic clothing materials, Other synthetic materials, especially plastics: The usefulness of plastics and problems associated with their excessive use.
Force and Pressure	To know about idea of force_ push or Pull change in speed, direction of moving objects and shape of objects by applying force- Contact and Non- contact force	Independent learning	27/6/22- 1/7/22	5	Activities based on Daily life experience Demonstration the change in speed of a moving object its	Extempore, Short quiz, JAM, Activity.	Text book, Activity kit	Resilience	To know about different types of molecular forces.	Text book, Charts, Reading materials.	Student would know about idea of force_ push or Pull change in speed, direction of moving objects and shape of objects by applying force-
Cell	Cell structure,plant and animal cell, use of Stain to observe , cell organells- nucleus, vacuole, Chloroplast,cell membrane, cell wall.	Environmental awreness.	4/7/22- 8/7/22	5	Use of microscope, preparation of slide, Observation of onion eel and ceck cell.	Short Quiz, JAM, Reverse questioning, Well Rounded.	Microscope, Onion peel, permanent slide of animal cell	Itegrity	To know about different structre of materials.	Text book, Videos, Virtual labs.	Student would know about Cell structure,plant and animal cell, use of Stain to observe , cell organells- nucleus, vacuole, Chloroplast,cell membrane, cell wall.
Different kind of material and their reactions	Student will know about the different types of materials and concept of acid and base.	Enterpreunership	11/7/22- 16/7/22	5	Lab activity,	Short quiz, JAM,	Text book, Chart, Video	self learning	Materilas used in coins in earlier days and now.	lab, text book. Activity kit.	Student would know about the different types of materials and concept of acid and base.
Friction	Student will know about the force of friction and its daily life example.	Resillience	18/7/22- 27/7/22	5	Daily life based experiment	JAM, Short Quiz, What if, Reverse questioning.	PPT, Videos, Chart, PDF.	self learning and crativity	Daily life examples	Text book, Charts, Reading materials.	Student will know about the force of friction and its daily life example.
How babies are formed	Student will know about the reproductive system and chromosomal determination of sex.	Critical thinking	1/8/22- 5/8/22	8	Virtual lab and video presentattion of sex determination.	Reverse questioning, Thunk, JAM, Short quiz.	Chart, different cloth materials, Videos etc.	care		PPT presentation on cropping pattern and tools, Virtual lab	Student will know about the reproductive system and chromosoma determination of sex.
Things change/ react with one another.	Student will know about the different types of changes and concept of metal and nonmetals.	Problem solving	8/8/22- 12/8/22	5	combution and experiment with daily life objects.	Thunk, Short quiz, Jam, Reverse questioning, Extempore.	Text book, Activity kit	integrity	Chemical history of candles.	PPT, Virtual lab, Extra reading materials.	Student will know about the different types of changes and concept of metal and nonmetals.
Light	Student will know about the light and its related phenomenon like image formation, rainbow formation,mirage.	Resilience	16/8/22- 23/08/22	5	mirror, source of light,Lenses, prism.	Extempore, Short quiz, JAM, Activity.	Txt book, Presentation.	intergrity	structure of Human eye.	Text book, Charts, laboratory.	Student will know about the light and its related phenomenon like image formation, rainbow formation,mirage.
Why conserve	Student will know about the different types of animals and why do needto conserve them.	environment care	24/ 8/22- 26/8/22	3	conservation of wild life /plants and sancturies.	Short Quiz, JAM, Reverse questioning, Well Rounded.	PPT, Videos, Chart, PDF.	care	Distribution of animal according to climatic condition.	Text book, Charts, Reading materials.	Student will know about the different types of animals and why do needto conserve them.
Rain thunder storm	Student would understand the concept of rain thunder and strom and their root causes and mechanism.	Independent learning	30/8/22- 4/9/22	5	Comb paper experiment, conductor insulator.	Short quiz, JAM,	Chart, different cloth materials, Videos etc.	Tolerance	Articles on cloud carrying positive and negative charges. And discussion sparks and comb paper experiment.	Text book, Videos, Virtual labs.	Student would understand the concept of rain thunder and strom and their root causes and mechanism.
Sound	Student will able to know about and able disfferentiate between noise and sound.	environmental awareness	6/9/22- 14/9/22	9	Video presentation and explanation of its working.	Thunk, Short quiz, Jam, Reverse questioning, Extempore.	Text book, Activity kit	care	Desining toy telephone identifying various osurces of noise.	lab, text book. Activity kit.	Student will able to know about and able disfferentiate between noise and sound.