

<p style="text-align: center;">BCM SCHOOL A Senior Secondary School Affiliated To CBSE, New Delhi CLASS - IX (2025-2026) SYLLABUS SUBJECT --ENGLISH</p>				
MONTH	TOPIC	LEARNING OUTCOMES	SOURCES (Link of videos)/ RESOURCES	Activities/Multiple Assessment, Art integrated and Experiential Learning activities
APRIL	THE FUN THEY HAD	Skills of enjoying life and to remain happy even in difficult times	https://www.youtube.com/watch?v=giKCXAFWwB0 Literature reader BEEHIVE	Study of visual resources at home and in the surroundings.
	THE SOUND OF MUSIC	Appreciating music and soothing sounds around us.	https://www.youtube.com/watch?v=wsWljcyQJYQ Literature reader BEEHIVE	To listen music programme on radio or T.V and write short description of the performances in your note book.
	THE ROAD NOT TAKEN (Poem)	Critical thinking ability	https://www.youtube.com/watch?v=riMcDBYV1qE Literature reader BEEHIVE	To write any of your favourite poem of Robert Frost.
	WIND (Poem)	Ignite imagination and learn to love mother nature.	https://www.youtube.com/watch?v=zDRc4DFD3TE Literature reader BEEHIVE	Pictorial description of the Poem.
MAY	THE LITTLE GIRL	Importance of family and importance of Grand parents in a child's life.	http://youtu.be/ExFRw2rzWKA Literature Reader	Make your family tree in your note book
	A TRULY BEAUTIFUL MIND	Development of scientific temper of student	https://www.youtube.com/watch?v=ytEym2FOsog Literature reader BEEHIVE	Write a character sketch of your favourite scientist.
	THE SNAKE AND THE MIRROR	Learn to sensitize towards other creatures of nature.	Literature Reader	Picturize thoughts of the doctor when he comes across the snake.
	RAIN ON THE ROOF (Poem)	Learn to recognise nature's elements	https://youtu.be/IdiXpTPaiwc Literature reader BEEHIVE	How can the sweet moments of life help us when they change into sweet memories? Illustrate with the reference to the poem
	THE LOST CHILD	Value for family relationship	https://www.youtube.com/watch?v=gvXCNU-4OwI Supplementary Reader Moments	Sketching from nature and surroundings.
	THE ADVENTURES OF TOTO	Critical thinking ability and love for animals.	https://www.youtube.com/watch?v=cxIIVTf5Iz0 Supplementary Reader Moments	Write an article on Amazon Fire, mention how many millions of animal species (endangered) are extinct.
	ISWAPAN THE STORYTELLER	Conceptual understanding	https://youtu.be/GfDeaIXyG4k	Choose your favourite character from the story and write

	ISWARAN THE STORY TELLER	Conceptual understanding	https://youtu.be/CnDazlAYG4k	what you learnt from that character.
	GAP FILLING AND SUBJECT VERB CONCORD	Development of knowledge of Tenses	https://youtu.be/ttLDPc2EITU B.B.C	B.B.C Grammar Module
	THE LAKE ISLE OF INNISFREE	Interplay between nature and civilization.	https://youtu.be/eqIfL216wQ4?si=gAE81aRrkUkuqWVj	Write an article on Beauties Of Nature.
	DESCRIPTIVE PARAGRAPH & DIARY ENTRY	Enhance writing skills and learn how to organise thoughts.	https://youtu.be/PXLCDUUiARK B.B.C	B.B.C Writing Module
	READING COMPREHENSION TYPE 1	Improve reading skills and ability to understand things in a better way.	https://youtu.be/xrEq-1UujOo B.B.C	B.B.C Reading Module
JUNE	VACATIONS			
	MY CHILDHOOD	Learn the values of generosity, kindness and communal harmony.	https://www.youtube.com/watch?v=URB3ylODK_I Literature reader BEEHIVE	Describe any sweet memory of your child hood.
	A LEGEND OF THE NORTHLAND (Poem)	Importance of sharing and caring..	https://youtu.be/jNjhns27Z1k Literature reader BEEHIVE	Write on any legend in your scrapbook which your parents or grand parents narrated to you.
JULY	NO MEN ARE FOREIGN (Poem)	To uplift their understanding in terms of unity in diversity around the world.	https://youtu.be/UqJrvTwpl_o Literature reader BEEHIVE	Share your views on the ways of living happy and peaceful life.
	STORY WRITING	Learn the art of framing stories	https://youtu.be/od2Oxm5tZ8c B.B.C Module story writing	B.B.C Module story writing.
	READING COMPREHENSION TYPE 2	Improves reading skill.	https://youtu.be/xrEq-1UujOo B.B.C Module 1	B.B.C Reading Module
	IN THE KINGDOM OF FOOLS.	To be worldly wise	http://youtu.be/XBBmazLHePg Supplementary Reader Moments	Make a PPT on the lesson ' In the kingdom of fools '. (maximum 10 number of slides)
	THE HAPPY PRINCE	To learn importance of virtues in life.	https://www.youtube.com/watch?v=4GfSNLdTFrg Supplementary Reader Moments	How are scarifice, love and compassion punished and rewarded in the story.
AUGUST	EDITING	To find mistakes in a given sentence or passage.	https://youtu.be/_Ep9xpAY6Xg B.B.C	B.B.C Grammar Module
	OMISSION	Ability to construct meaningful sentences.	https://youtu.be/_Ep9xpAY6Xg B.B.C	B.B.C Worksheet Grammar Module.
	DIARY ENTRY	Ability to convey meaning better.	https://youtu.be/IsM6VqpsIOw	B.B.C Writing Module

			B.B.C	
SEPTEMBER	HALF YEARLY EXAMS			
OCTOBER	REACH FOR THE TOP	Determination plays an important role in one's life.	http://youtu.be/BXC4rbcVupU Beehive	Make a PPT on the biography of mountaineer Santosh Yadav
	KATHMANDU	To enable them to make diary entry as a travelogue.	 Beehive	Discuss in class the shrines you have visited or know about Speak about one of them.
	ON KILLING A TREE (Poem)	Awareness about nature and learn how to protect it.	https://youtu.be/BuLKueqwTl8 Beehive	Make a poster on 'SAVE TREES'
	A SLUMBER DID MY SPIRIT SEAL.(Poem)	To enable students to connect poem with real life.	 Beehive	Paraphrase the first poem of William Wordsworth.
	A HOUSE IS NOT A HOME	Development of reading and writing skill.	http://youtu.be/Kte4w4TbjF4 MOMENTS	Draw a beautiful picture of your house.
	REPORTED SPEECH	Organization of thoughts	https://youtu.be/GK5ul5uXlro B.B.C	B.B.C Grammar Module
STORY WRITING	Learn the art of framing stories	https://youtu.be/od2Oxm5tZ8c B.B.C Module story writing	B.B.C Module story writing.	
NOVEMBER	THE LAST LEAF	We should never lose hope in life.	https://youtu.be/R_u63Cq4b9A?si=dpUYvZnk-LLvg0I1	Social Emotional Learning Discussion Topics
DECEMBER	COMPREHENSION PASSAGE TYPE 1 & 2	Improves reading skill.	https://youtu.be/xrEq-1UujOo B.B.C Module 1	B.B.C Reading Module
	IF I WERE YOU	To understand examples of wit and irony.	http://youtu.be/RCLaSP_P4oM Beehive	Extempore
	THE BEGGER	Reading skills.	http://youtu.be/QJlkzVk6BAw MOMENTS	Share your views on the topic 'Begging is a curse'.
	REVISION			
	REVISION			
	EXAM			
SUBJECT MATHS				

MONTH	TOPIC	LEARNING OUTCOMES	SOURCES (Link of videos)/ RESOURCES	Activities/Multiple Assessment, Art integrated and Experiential Learning activities
APRIL	UNIT – 1 Number System: 1. Review of representation of natural numbers, integers, rational numbers on the number line. Rational numbers as recurring/ terminating decimals. Operations on real numbers. 2. Examples of non-recurring/non- terminating decimals. Existence of non- rational numbers (irrational numbers) such as $\sqrt{2}$, $\sqrt{3}$ and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz every point on the number line represents a unique real number. Definition of nth root of a real number. 3. Rationalization with precise meaning of the real numbers 4. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.	Students will learn representation of real numbers on number line and rationalization of real numbers.	National Digital Library of India(NDLI) Link: http://ndl.iitkgp.ac.in Diksha App Link to CBSE website: www.cbseacademic.nic.in	Represent square root spiral on number line. https://www.youtube.com/watch?v=U55Lzovu4n0
	UNIT – 2 Polynomial Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeroes of a polynomial. Factorization of $ax^2 + bx + c$, $a \neq 0$ where a, b and c are real numbers, and of cubic polynomials using the Factor Theorem. Recall of algebraic expressions and identities. Verification of identities: $(x+y+z)^2 = x^2 + y^2 + z^2 + 2(xy + yz + zx)$, $(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)$, $x^3 \pm y^3 = (x \pm y)(x^2 \pm xy + y^2)$ and their use in factorization of polynomials.	Students will learn basic terms of polynomials. Students will learn factorization of polynomials using algebraic identities.	National Digital Library of India(NDLI) Link: http://ndl.iitkgp.ac.in Diksha App Link to CBSE website: www.cbseacademic.nic.in	Geometric representation of algebraic expression of $(a + b + c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$ Link will be provided. Mind map Activity
	UNIT – 3 Co-ordinate Geometry The cartesian plane, coordinates of a point, names and terms associated with the coordinate plane, notations.	Students will learn plotting of points in the plane and graph of linear equation in two variables.		To find the hidden figure by plotting and joining the various points with given co-ordinates in a plane.

MAY	<p>UNIT - 4 Linear equations in two variables</p> <p>Recall of linear equation in one variable. Introduction to the equation in two variables. Focus on linear equations of the type $ax + by + c = 0$. Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pair of real numbers, plotting them and showing that they lie on a line.</p>			<p>To obtain a linear equation and draw a graph which represents the linear equation.</p> <p>https://www.youtube.com/watch?v=nN9XCLVFgQE</p>
June	Summer Vacation			
July	<p>UNIT - 5 INTRODUCTION TO EUCLID'S GEOMETRY History - Geometry in India and Euclid's geometry. Euclid's method of formalizing observed phenomenon into rigorous Mathematics with definitions, common notions, axioms/postulates and theorems. The five postulates of Euclid. Showing the relationship between axiom and theorem, for example: axiom 1. Given two distinct points, there exists one and only one line through them. Theorem 2. (Prove) Two distinct lines cannot have more than one point in common.</p>	Students will learn use of postulates and axioms.		
	<p>UNIT-6 LINES AND ANGLES</p> <p>1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is 180° and the converse 2. (Prove) If two lines intersect, vertically opposite angles are equal. 3. (Motivate) Lines which are parallel to a given line are parallel to each other.</p>	Understand the basic terms like angles different types of angles, pair of angles and their properties. Also understand linear pair axiom and vertically opposite angles are equal.	National Digital Library of India (NDLI) Link: http://ndl.iitkgp.ac.in Diksha App Link to CBSE website: www.cbseacademic.nic.in	Verify that the sum of angles in a triangle is 180° . https://www.youtube.com/watch?v=6s1CI3uuhko/MODEL-MAKING
	<p>UNIT -10 HERON'S FORMULA</p> <p>Area of triangle using Heron's Formula (without proof)</p>	Students will learn use of Heron's Formula.		

AUGUST	<p>UNIT -7 TRIANGLES</p> <p>1. (Motivate) Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle. (SAS Congruence) 2.(Prove) Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of other triangle . (ASA Congruence) 3. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of other triangle . (SSS Congruence) 4.(Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal to hypotenuse and a side of the other triangle .(RHS Congruence) 5. (Prove) The angles opposite to equal sides of a triangle are equal. 6. (Motivate) The sides opposite to equal angles of a triangle are equal.</p>	Students will learn different types of congruence rules.	National Digital Library of India(NDLI) Link: http://ndl.iitkgp.ac.in Diksha App Link to CBSE website: www.cbseacademic.nic.in	Prove that triangles on the same base and between same parallel lines are equal in area./QUIZ
SEPTEMBER	Revision and Half Yearly Examination			
OCTOBER	<p>UNIT-8 QUADRILATERALS</p> <p>1.(Prove) The diagonal divides a parallelogram into two congruent triangles. 2. (Motivate) In a parallelogram opposite sides are equal and conversely. 3. (Motivate) In a parallelogram opposite angles are equal and conversely. 4. (Motivate) A quadrilateral is a parallelogram if a pair of opposite sides is parallel and equal. 5. (Motivate) In a parallelogram , the diagonals bisect each other and conversely. 6. (Motivate) In a triangle , the line segment joining the mid points of any two sides is parallel to the third side and equal to half of it.</p>	Students will learn different types of quadrilaterals and use of mid point theorem.	National Digital Library of India(NDLI) Link: http://ndl.iitkgp.ac.in Diksha App Link to CBSE website: www.cbseacademic.nic.in	CROSS WORD PUZZLE (Multiple Assesment)
	<p>UNIT -12 STATISTICS</p> <p>Bar graphs ,histograms (with varying base lengths) and polygons.</p>	Students will learn Bar graphs and Histogram.		To find mean, median, mode of weight of students to understand the concept of central tendency/CASE STUDY BASED QUESTIONS (REAL LIFE SITUATIONS)

NOVEMBER	UNIT -9 CIRCLES 1.(Prove) Equal chords of a circle subtend equal angles at the centre and (motivate) its converse. 2. (Motivate) The perpendicular from the centre of a circle to a chord bisects the chord and conversely. 3. (Motivate) Equal chords of a circle are equidistant from the centre and conversely. 4. (Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle. 5. (Motivate) Angles in the same segment of a circle are equal. 6. (Motivate) If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment , the four points lie on a circle. 7. (Motivate) The sum of either pair of the opposite angles of a cyclic quadrilateral is 180° and its converse.	Students will learn different properties related to circle.	National Digital Library of India(NDLI) Link: http://ndl.iitkgp.ac.in Diksha App Link to CBSE website: www.cbseacademic.nic.in	To verify angle subtended by an arc of the circle at the centre of the circle is double the angle subtended by same arc in the remaining part of the circle. https://www.youtube.com/watch?v=IIPRugJqcKg
	UNIT - 11 SURFACE AREAS AND VOLUMES Surface areas and volumes of spheres (including hemispheres) and right circular cones.	Students will learn to find area and volume of sphere, hemisphere and right circular cone .	National Digital Library of India(NDLI) Link: http://ndl.iitkgp.ac.in Diksha App Link to CBSE website: www.cbseacademic.nic.in	To make windchime to show different types of 3D objects and their formulae. (Art Integrated Activity)

DECEMBER AND JANUARY	Revision of whole syllabus			
FEBRUARY				

SUBJECT HINDI

निर्धारित पुस्तकें-

क्षितिज, भाग -1 एन.सी.ई.आर.टी नई दिल्ली द्वारा प्रकाशित नवीनतम संस्करण

कृतिका ,भाग -1 - एन.सी.ई.आर.टी नई दिल्ली द्वारा प्रकाशित नवीनतम संस्करण

'नवयुग' हिंदी व्याकरण तथा रचना

मास	पाठ्यक्रम	सुझावात्मक गतिविधियाँ/कला एकीकरण	संसाधन/ फ्लिपड/मिश्रित अधिगम	सीखने के संभावित प्रतिफल
अप्रैल	दो बैलों की कथा	नैतिक मूल्यों पर आधारित कहानी लिखें।	आई सी आई(ICI) का प्रयोग करते हुए क्यूआर कोड(QR Code) की सहायता ले सकते हैं।	स्वतंत्रता के लिए संघर्ष करने की प्रेरणा।
		स्वतंत्रता आन्दोलन से जोड़ते हुए एक लघु नाटिका तैयार करें।	https://www.youtube.com/watch?v=5zQP_0g9qRA&feature=youtu.be	नैतिक मूल्यों का ज्ञान प्राप्त होगा।
	साखियाँ एवं सबद (पहला)	दोहा गायन	कबीर के दोहों की अन्य पुस्तकें	निर्गुण भक्ति का ज्ञान मिलना।
			https://www.youtube.com/watch?v=PtPHPPMmGuE&app=desktop	बाहरी आडंबरों के प्रति सचेत रहने की प्रेरणा।
	उपसर्ग/प्रत्यय	प्रश्नोत्तरी (उपसर्ग और प्रत्यय)	सहायक व्याकरण पुस्तकें	

		https://www.youtube.com/watch?v=iz3g-xpUSZ4&feature=youtu.be	शब्द ज्ञान में बढ़ोत्तरी ।
		प्रत्यय: https://www.youtube.com/watch?v=YV6nAx6-	
संवाद	सामाजिक विषयों से संबंधित संवादों का स्वयं अध्ययन	https://youtu.be/Q31ev_ZZx5U	वार्तालाप करने की कला का ज्ञान ।
अनुच्छेद	सामाजिक बुराइयों से सम्बंधित विषयों पर लेखन - अभिव्यक्ति	सहायक व्याकरण पुस्तकें	लेखन कला का ज्ञान ।
अपठित गद्यांश	सामान्य ज्ञान में वृद्धि करते हुए प्रश्न हल करें ।	सहायक व्याकरण पुस्तकें	समस्या समाधान के कौशल का विकास
ल्हासा की ओर	किसी पर्यटन स्थल की वीडियो बनाना	https://www.youtube.com/watch?v=UxBYO35RDVo&feature=youtu.be	तिब्बत की संस्कृति का ज्ञान ।
		श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	
वाख	संगीत कला	https://www.youtube.com/watch?v=3Hw4-wWDDqk	सहज-साधना का ज्ञान ।
इस जल प्रलय में	बाढ़ से होने वाले नुकसान की सूची तैयार करना ।	श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	प्राकृतिक आपदा से निपटने के उपायों की जानकारी ।
समास	प्रश्नोत्तरी	सहायक व्याकरण पुस्तकें	शब्द भंडार में बढ़ोत्तरी
अपठित पद्यांश	प्रश्न हल करें ।	सहायक व्याकरण पुस्तकें	समस्या समाधान के कौशल का विकास
पत्र	लिखित अभ्यास	https://www.youtube.com/watch?v=riMcDBYV1qE	पत्र-प्रारूप की जानकारी और लेखन-कला का विकास
सूचना-लेखन	लिखित अभ्यास	https://youtu.be/CFwcizZ81_k	लेखन-कला का विकास
जून			
उपभोक्तावाद की संस्कृति	विज्ञापन बनाना ।	उपभोग करने वाली वस्तुएँ	वस्तुओं का सीमित उपभोग करना ।
सवैये	कृष्ण का चित्र बनाए ।	https://www.youtube.com/watch?v=iIS1GIGgzOg&feature=youtu.be	सगुण भक्ति का ज्ञान होना ।
		श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	
वाक्य-भेद	प्रश्नोत्तरी	सहायक व्याकरण पुस्तकें	वाक्य ज्ञान में बढ़ोत्तरी ।
ई-मेल	लिखित अभ्यास	इंटरनेट व व्याकरण	लेखन -कला का विकास ।
साँवले सपनों की याद	वृत्तचित्र तैयार करें ।	श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	ग्लोबल वार्मिंग की जानकारी मिलेगी ।
			पक्षियों से प्रेम करने की प्रेरणा मिलेगी ।

अगस्त	कैदी ओर कोकिला	स्वतंत्रता सेनानियों को जेल में दी जाने वाली यंत्रणाओं पर पीपीटी	https://www.youtube.com/watch?v=-RDc5dYpUFY&feature=youtu.be	स्वंत्रता सेनानियों के बलिदान की जानकारी मिलना ।
			श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	देश भक्ति की भावना का विकास
	मेरे संग की औरतें	भारत की प्रसिद्ध औरतों का कॉलाज बनाएँ ।	https://www.youtube.com/watch?v=Jc7uFdli_n8&feature=youtu.be	औरतों को लीक से हटकर अपना जीवन जीने की प्रेरणा देना।
			श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	
	अलंकार	काव्यगत विशेषताओं को ध्यान में रखते हुए एक कविता की रचना करें ।	https://www.youtube.com/watch?v=UduOnWdVa1c&feature=youtu.be	काव्यगत विशेषताओं की जानकारी ।
			https://www.youtube.com/watch?v=RXBUsvsXyNY&feature=youtu.be	
			सहायक अतिरिक्त पुस्तकें	
		लघु कथा	अपने आस-पास की घटनाओं को मद्देनजर रखते हुए कोई कहानी लिखें ।	
सितंबर	अर्द्धवार्षिक परीक्षा			
अक्तूबर	प्रेमचंद के फटे जूते	प्रेमचंद का चित्र बनाएँ	https://www.youtube.com/watch?v=UcSp10QVmbU&feature=youtu.be	दिखावे की संस्कृति का ज्ञान मिलना
			प्रेमचंद की पुस्तकें	
	मेरे बचपन के दिन	अपने बचपन की किसी घटना को डायरीबद्ध करें ।	श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	साम्प्रदायिक एकता बनाए रखने की प्रेरणा ।
	ग्रामश्री	चित्रकला के माध्यम से प्राकृतिक सुन्दरता दर्शाएँ ।	https://youtu.be/vSIPdjFdQuM	ग्रामीण और शहरी जीवन में अंतर स्पष्ट करना ।
			श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	
	मेघ आए	गाँव के रीति-रिवाजों की सूची तैयार करें ।	https://youtu.be/y2P5whRxP7g	प्राकृतिक सुन्दरता की आभास होगा ।
	बच्चे काम पर जा रहे हैं	काम करते बच्चों के चित्र एकत्र करें ।	https://www.youtube.com/watch?v=eMgyfrDRUW8&feature=youtu.be	लोगों की स्वार्थपूर्ण भावना व आर्थिक विवशता का ज्ञान मिलना ।
			श्यामपट्ट, चॉक, ई-सामग्री,सहायक पुस्तक	
नवंबर	रीढ़ की हड्डी	एक लघु नाटिका तैयार करें ।	https://youtu.be/0atjTI_L5mE	लड़की के विवाह में आने वाली समस्याओं की जानकारी मिलेगी
दिसंबर	पुनरावृति			
जनवरी	पुनरावृति			
फरवरी	वार्षिक परीक्षा			
SUBJECT : SOCIAL SCIENCE				
MONTH	TOPIC	LEARNING OUTCOMES	SOURCES (Link of videos)/ RESOURCES	Activities/Multiple Assessment, Art integrated and Experiential Learning activities

APRIL GEOGRAPHY	L-1 INDIA- SIZE & LOCATION	To understand the major landforms features and underlying geological structure.	Text Book NCERT, Assignments, PPT www.slideshare.net Size and location http://www.excellup.com	On Political Map of India 1. Identification and Location of States and UTs with capital. 2. Standard Meridian Collect and share information about States and UTs in terms of languages, Food, Dress, Culture, Tradition etc.
	L-2 PHYSICAL FEATURES OF INDIA	Association with various rocks and minerals as well as nature of soil types.	Text Book NCERT, Assignments PPT www.slideshare.net Revision notes, textbook solution http://www.topprlearn.com	On Political Map of India locate and identify 1. Mountain and Hill ranges. 2. Peaks 3. Plateaus, 4. Deserts and Ghats Model making.
GEOGRAPHY Assessment:	L 3 DRAINAGE	1.To understand the river system of India 2. Aware of the role of rivers in the evolution of human society.	Text Book NCERT, PPT www.slideshare.net River System http://www.jagranjosh.com	1. Locate and label the rivers on political map of India. 2. Prepare a chart on work of a river. 3. Intersection quiz activity
MAY ECONOMICS	L- 1 THE STORY O VILLAGE PALAMPUR (To be assessed in periodic assessment)	Familiarizing the Fchildren to the population related concepts and sensitization of the learner, Appreciation of govt. initiative to alleviate poverty	Text Book NCERT, PPT www.slideshare.net Factors of production, farming and nonfarming activities http://www.learnbse.com	Digital survey of a village including:location total area of the village,facilities available here like: education, market, medical,market, electricity supply, communication ,nearest city and town to the village
	L-2 People as resource	Familiarizing to a few population related concepts and sensitization of a child that people as assets can participate and contribute in nation building	Text Book NCERT PPT www.slideshare.net ,Human Capital Formation Video http://youtube/7ry58cL4s	1.Collect the information regarding govt. steps to provide education to all like expansion of primary school system,Sarv Shiksha Abhiyan, development of vocational streams, Navodaya Vidyalaya and Mid-Day meal etc. 2.Survey in nearby locality regarding the engagement of people in different economic activities –Primary, Secondary and Tertiary
POLITICAL SCIENCE	L- 1 WHAT IS DEMOCRACY, WHY DEMOCRACY?	To understand the term democracy and its functions. To identify the salient features of democracy The learner can distinguish between democratic and non- democratic form of govt.	Text Book NCERT, PPT, www.slideshare.net Meaning of democracy, Arguments against and in favour of democracy http://mycbseguide.com	1.Students can locate important democratic countries on the world map.
Assessment:	MCQ/ Oral Test			
	Periodic Test			
JUNE	Project on Disaster Management	a. Create awareness in them about different disasters,their consequences and management b. prepare them in advance to face such situations c.ensure their participation in disaster mitigation plans d. enable them to create awareness and preparedness among the community	1.Content accuracy, originality and analysis:2m 2. Presentation and creativity:2m 3. Viva Voce :1m	The Project Report should be handwritten.

JULY POLITICAL SCIENCE	L- 2 CONSTITUTION AL DESIGN	The learner explains how the Indian constitution was made .Understand its foundational values .Compares our constitution with other constitution of the world.	Text Book NCERT, PPT www.slideshare.net Need of constitution, Making of Indian constitution,The constiuen Assembly http://www.mycbseguide.com	1. Prepare a chart on important leader who were the makers of the constitution of India. 2. Prepare a Quiz on the constitution of India. 3. Write a short biography of Dr. B.R. Ambedkar and share it with peers through e-mail.
	L- 3 ELECTORAL POLITICS	The learner Understands the importance of election in democracy Locate places on the map of India indicating lok sabha constituencies.	Text Book NCERT, PPT www.slideshare.net Political competition, Democratic election, Election Campaign, http://www.mycbseguide.com	Role play on topic why elections should be held in India. Prepare a write up on women parliamentarians in India.
ECONOMICS	L-3 POVERTY AS CHALLENGE	Understanding of poverty as a challenge and sensitization of the learner, Appreciation of govt. initiative to alleviate poverty	Text Book NCERT, PPT, www.slideshare.net Indicators of poverty, vulnerability,poverty line,interstate disparities http://mycbseguide.co m+D191	Enlist the programme initiative by the govt. to alleviate poverty like NREGA 2005, PMRY, REGP, SGSY, PMGY AAY ETC. 2. Prepare a graph to show the poverty ratio in Indian States named Bihar, Odisha, Assam, Madhya Pradesh, Uttar Pradesh (2011-12) 3. Intersection Quiz
Assessment:	Weekly Test			
AUGUST HISTORY	L – 1 FRENCH REVOLUTION	Locate France on map of Europe Identifies various factors that led to the outbreak of revolution. Categories the rigid power structure in 18th century French society. Analyze s the role of intellectuals in propagating ideas of liberty and equality. Assesses the impact and legacy of the revolution	Text Book NCERT, PPT www.slideshare.net Causes of the French Revolution, Declaration of rights of man and the citizen, Reign of terror. www.history.com	Role play to show the reason of revolution in France. Making the chart to highlight specific attributes which differentiate 'Revolutions' from movements by taking several examples from both categories.
	L - 2 SOCIALISM IN EUROPE AND THE RUSSIAN REVOLUTION	Familiarize the students with the names of people ,famous leaders, the different types of ideas that inspired the revolution and significance of revolution.	Text Book NCERT, PPT www.slideshare.net From Tsar to USSR www.nationalgeographic.com	Students can make the timeline of events of different revolutions. Discussion regarding comparative study of Russian revolution and French revolution
ECONOMICS Assessment	L - 4 FOOD SECURI IN INDIA Revision Test	1.Exposing the child to an economic issue which is basic necessity of life. 2.Appreciate and critically look at the role of govt. in ensuring food supply.	NCERT BOOK, PPT www.slideshare.net Estimated calorie requirement https://health.gov.in MSP of RICE, WHEAT, COTTON www.Fci.gov.in	1. Prepare a chart on estimated calorie requirement as per day, by age, sex, and physical Activity level. 2. Collect information about MSP of RICE, WHEAT, COTTON since 2010.
SEPTEMBER	MID TERM EXAMINATION			
OCTOBER HISTORY	L – 2 NAZISM AND RISE OF HITLER	1. Students will be aware about critical significance of Nazism in shaping the politics of modern world.	Text Book NCERT, PPT www.slideshare.net Hitler's Rise to power	Movies and videos: 1. HITLER: The Rise of Evil 2. The Great dictator
		Familiarize students with the speeches and writings of Nazi leaders.	www.facinghistory.org	Chart of Dateline of different events occurred in Germany. Quiz related with major events and peculiar features of Nazi thinking.
	L - 4 FOREST SOCIETY & COLONIALISM <u>Interdisciplinary project as part of multiple assessments</u>	1.Understand social & cultural world of forest communities 2.Impact of colonialism Agrarian transformation 3.Forest movement in Baster and in Indonesia	NCERT Text Book PPT www.slideshare.net	Students will prepare a report on the life of nomadic tribes in different parts of India <u>Mock drill on Disaster management</u>

	L – 4 CLIMATE Weekly Test	1.Enable the students about the importance and unifying role of monsoons. 2. Students will be able to identify the various factors influencing the climate and explain the climatic variations of our country and its impact on the life of the people.	Text Book NCERT PPT www.slideshare.net http://www.mycbseguide.com	1.Activity based on food habits, clothing, festivals etc. associated with several seasons and different regions will be done. 2.Locate and label the areas receiving rainfall less than 20 cm. and over 400 cm.
NOVEMBER POLITICAL SCIENCE	L – 4 WORKING of INSTITUTIONS	1.Understand the parliamentary system of executive accountability to the legislature. 2. Distinguish between nominal and real executive authorities and functions . Sensitize the key role of parliament and its procedure. Provide an overview of central government structures.	Text Book NCERT PPT www.slideshare.in cabinet ministers along with their portfolios www.india.gov.in Working of Lok Sabha and Rajya Sabha www.loksabha.nic.in	1. Role play of political and permanent executives. 2. A chart based on comparative study on Lok Sabha and Rajya Sabha. 3. Prepare a chart listing different cabinet ministers along with their portfolios.
	L – 5 DEMOCRATIC RIGHTS	1.Develop citizen's awareness of their rights. Introduction to and appreciation of fundamental rights. 2. Recognition of the ways in which these rights are exercised and denied in real life situation.	Text Book NCERT PPT www.slideshare.net fundamental rights http://knowindia.gov.in	Prepare a flow chart listing fundamental rights granted to the citizens of India.
GEOGRAPHY	L – 5 NATURAL VEGETATION AND WILD LIFE (Only map pointing to be evaluated in the annual examination.)	1.The students will be aware about the nature of diverse flora and fauna as well as their distribution. 2.Develop concern about the need to protect the bio diversity of our country	Text Book NCERT PPT www.slideshare.in Types of forest, importance and conservation of forest https://sites.google.co m	1. Prepare a chart to show the variety of Indian forests found in different regions. 2. Enlist the medicinal plants found in your neighborhood.
	L – 5 POPULATION	1.To analyze the uneven nature of population distribution and show concern about large size of our population. 2.To understand the various occupations of people and explain various factors of population change.	Text Book NCERT, PPT www.slideshare.net Census of India https://censusindia.gov.i n Demographics of India https://en.m.wikipedia.o rg	Conduct a class census by preparing a questionnaire on performance, health status and education and family members. A visit to planetarium and traffic rules park.
Assessment	Quiz/ Oral Test			
DECEMBER HISTORY	L – 5 PASTORALISTS I THE MODERN WORLD (To be assessed as part of Periodic Assessment only)	Students will be aware about pastoralist and pastoralism in the Nmodern world, with the formation of modern states, marking of boundaries, contraction of pastures and expansion of markets	Text Book NCERT Pastoralism in India: A scoping Study https://assets.publishin g.service.gov.uk	1. Locate and label the different pastoral communities as per their regions. 2. Prepare a chart about acts passed by the Britishers to check movements of pastoral communities.
Assessment	Periodic Test			
January Assessment	Weekly Test			
February	Final Examination			

SUBJECT : PHYSICS

MONTH	TOPIC	LEARNING OUTCOMES	SOURCES (Link of videos)/ RESOURCES	Activities/Multiple Assessment, Art integrated and Experiential Learning activities
April	CHAPTER 8:-MOTION	The learners will be able	NCERT/STATE TEXT BOOK	
	Introduction Motion along a straight line	* To understand motion along a straight line	https://youtu.be/F-WGuMkT79g	Experiential learning -CHOREOGRAPHY (related to distance /displacement ,Scalar/vector, speed/velocity)
	Scalar and vector quantities Motion along a straight line Distance Displacement Uniform motion Non uniform motion	*Differentiate between the distance and displacement and calculate them in real life.	https://youtu.be/oDI49HI2LB4 , https://youtu.be/	*Find the magnitude of the displacement between your home and School
	Speed ,Average speed Speed with direction Average velocity SI units Numericals	*To differentiate between average speed and velocity with day to day observations *To understand and evaluate the numerical value of different quantities and also associate it with their units.	https://youtu.be/5H4M7PXtaek	Subject enrichment -Measure the time it takes you to walk from your house to your bus stop or the school. And calculate average speed ,average velocity
		*To calculate using data given, such as distance, velocity, speed	https://youtu.be/BFmx43TtRa8	
	Acceleration and retardation Uniform acceleration and non uniform acceleration Numericals	*Understand the difference between acceleration and retardation from daily life examples and able to calculate	https://youtu.be/wQFkzSq55JU	*List any five examples of uniformly accelerated motion from your day to day observation
	Graph : concept and importance Graphical representation of motion by s- t graph	* able to analyse and interpret graph * represent motion of given situation in graphical manner	https://youtu.be/OIW0jtYErHM	Subject Enrichment *Draw different types of s-t graph as listed in Assignment
ASSESMENT	Weekly written test, Oral test			
MAY	Graphical representation of motion by v - t graph Calculation of acceleration and distance from Numericals based on graphs	*To identify the type of motion from d-t graph and v-t graph. *To develop numerical solving skills	https://youtu.be/5Q3UBGr0UwQ	*Analyse Activity 8.10 (NCERT) Plot the distance-time graph for their motions on the same scale and interpret
	Elementary idea of equation of motion		https://youtu.be/qO4pHr8hWVQ	Experiential Learning -*Make Presentation on all types of graph using tools.

	Numerical problems based on equations of motion. Uniform circular motion	*To evaluate speed in circular motion * To develop numerical solving skills	https://youtu.be/kbDgz-7dY9M https://youtu.be/T4RS84XI1fU	Art integration -Model making - Prepare Spirograph
ASSESSMENT	Quiz, Weekly written test, Periodic test-1 syllabus-Motion(full)			
JUNE	SUMMER BREAK			
JULY	CHAPTER 9- FORCE AND LAW OF MOTION Force – Definition , effects Types of force Balanced and unbalanced forces	* Learner are able to differentiate between balanced and unbalanced forces * To analyse the effect of force	https://youtu.be/cwLMejalz-E	Experiential learning -*Make an activity based short video on laws of motion(performed by urself)
	Newton’s first law of motion Definition of inertia Reasoning questions based on first law.	*To learn and understand the scientific definition of force	https://youtu.be/6nE0OcuBxbk —	Subject Enrichment * To find at least 10 examples from your daily life and classify in different types of inertia
	Newton’s second law of motion. $F=ma$ Momentum, impulse – definition and units	*To understand the terms like , impulse and momentum and derive their units	https://youtu.be/FCUN6HEmnz8 —	* Find out few activities involving momentum in your daily life
		*Interpret and apply the knowledge of terms in solving numericals	https://youtu.be/5fcVDF4DNXE	
	elementary idea of law of conservation of momentum Newton’s third law of motion , momentum.		https://youtu.be/LG2cIwspwMU	Subject enrichment - prepare Newton's laws of motion foldable wheel.
ASSESSMENT	Model Making			
AUGUST	CHAPTER 10- GRAVITATION Introduction Newton’s Law of gravitation Importance Numericals	* To understand the importance of newton’s law of gravitation. And universal constant	https://youtu.be/sYaeBZIGc4I	Art integration activity -Gravity painting
		* understand the phenomenon related to gravitation	https://youtu.be/iFTPcXzC-z8 , https://youtu.be/mKggvOkdX9g	
ASSESSMENT	Oral and written test			
	Free fall Difference between ‘g’ and ‘G’. Derive formula of ‘g’ Value of ‘g’ on earth Difference between Mass and Weight	* Evaluate the numerical value of g at different places like earth and moon. Or at poles and equator of the earth	https://youtu.be/OiNqgT_82a4	Subject enrichment -Perform any two experiments related to concept of floatation and record its video
	GRAVITATION Thrust, Pressure Applications Up thrust ,Buoyancy, Density, Relative density. Why do objects float and sink? Archimedes Principle Numericals	*To understand the applications of thrust and pressure. understand the concept of floatation. * To relate Archimedes principle with floating objects.	https://youtu.be/UKI33k-qQ0k	Experiential learning -Establishing the relation between the loss in weight of a solid when fully immersed in a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.

SEPTEMBER	SYLLABUS - Ch-Motion ,force and law of motion Gravitation(excluding floatation)	MID-TERM EXAMINATION		
OCTOBER	CHAPTER-11 WORK , ENERGY AND POWER Energy and its forms Kinetic energy Derive the expression for KE Numericals on KE Potential energy Derive the expression for PE	*To Identify and list different types of energy and relation between mass and velocity through KE	https://youtu.be/lrjoZ8ciHDE	* List 5 examples of transformation of different forms of energy into kinetic and potential energy With the help of pendulum list the transformation of energy and note down in your note-copy
		*The learner are able to derive expression of KE and PE	https://youtu.be/pSZV77U12RQ	
	Numericals on PE Transformation of energy Law of conservation of energy Conversion of PE to KE during a free fall	* To develop problem solving technique and understand the phenomenon of transformation of energy	https://youtu.be/N6TKBpQUzrM	Subject enrichment- Calculate electricity bill of your home for the month
		*To comprehend various examples showing transformation of energy during free fall	https://youtu.be/uEzCP-FMn8o	
	Power, Numericals related to power			
ASSESSMENT	Weekly written and oral test and Project			
NOVEMBER	CHAPTER 12 SOUND Introduction Production of sound Propagation of sound needs medium to travel . Types of waves – Longitudinal and transverse waves	*Able understand how the sound is produced and propagates *Able understand different types of waves and their characteristics	https://youtu.be/32q5x-81H5Q	EXPERIENTIAL LEARNING-HOW SOUND WAVE PROPOGATE https://www.youtube.com/watch?v=T0LsFQI0N98
	Characteristics of wave – Wavelength , speed , amplitude and frequency Numericals Speed of sound in different media Reflection of sound Numericals based on echo	*Able apply concept of multiple reflection of sound in real life situations *understand the concept of ultrasound list the applications of ultrasound	https://youtu.be/Na5RntekuQQ	Experiential learning- Verification of the Laws of reflection of sound . MODEL MAKING-create your own model on Reflection of sound and note down time of reflection of sound
	Reverberation Uses of multiple reflection of sound, Range of Hearing Infrasound Ultrasound Applications of ultrasound	*Able apply concept of multiple reflection of sound in real life situations *understand the concept of ultrasound list the applications of ultrasound	https://youtu.be/Na5RntekuQQ https://youtu.be/gacuSimlov8 https://youtu.be/LR-AYApQbNE	Experiential learning- Using digital app,show difference between echo and reverberation .
ASSESSMENT	Synopsis and worksheet			
DECEMBER	PERIODIC TEST-II SYLLABUS- FLOATATION AND WORK AND ENERGY			

SUBJECT : CHEMISTRY

MONTH	TOPIC	LEARNING OUTCOMES	SOURCES (Link of videos)/ RESOURCES	Activities/Multiple Assessment, Art integrated and Experiential Learning activities
April	Chapter 1 :- Matter in our surrounding		NCERT/State Textbook	
	Introduction			
	Introduction Matter: Define : examples,characterstics of matter.	Define matter with examples from day today life and state the composition of Matter	Link 1 https://youtu.be/doDQ0Mo9Kdg	Identify various types of matter around you and classify them on the basis of their properties.
		Analyze the characteristics of the particles of matter applicable in day today life activities	Link https://youtu.be/c9MsAHPPcvc	
	Interconversion of various states of matter	The students will be able to :- * Evaluate the conditions for the inter conversion of various state of matters. * Explain related terms:- Melting, Freezing, Boiling, Condensation and sublimation.	Link 3 https://youtu.be/ENVKQVIDNLY	Measure the temperature of water and observe the change in water on keeping it in refrigerator and on boiling
	Latent heat of fusion and latent heat of vaporisation	*Apply the knowledge of latent heat (Ice, Steam) in day today life activities.	Link 4. https://youtu.be/PXXh0tjFlh0	Keep the napthalene balls in clothes and observe the change after sometime.
	Evaporation: Define,examples Factors affecting evaporation	The Students would lbe able to:- *Describe evaporation *.Analyse the difference between evaporation and boiling . *.Interpret the factors affecting evaporation and appreciate the role of evaporation in daily life.	Link 5. https://youtu.be/YHb8NlrdWUk	Heat the water and see the change in temperature of it.
	CHAPTER 2:-IS MATTER AROUND US PURE			
			LINK 1 https://www.youtube.com/watch?v=pWZlICXw3Ng	Classify any five pure substances and mixtures around you
	INTRODUCTION:	The learners would be able		
	Pure Substances, Elements,	*To understand pure substances,elements,mixtures and compounds.	LINK 2 https://www.youtube.com/watch?v=Nv_JkEmuVJc&t=2s	Compare the properties of pure substances and mixtures.
	mixtures and compounds	*To differentiate between elements,mixtures and compounds.		
	Definations with examples			
	Mixtures :Types of mixtures	*To differentiate between	LINK 3 https://www.youtube.com/watch?v=msScIkLW4Lk	Prepare the mixture of sugar in water,salt in water,sand in water,chalk powder in water and classify them as homogeneous and hetrogeneous mixtures.
	Homogeneous mixtures and hetrogeneous mixture.	homogeneous and hetrogeneous mixture with day to day life activities.		

May			LINK 4	
	Differences between them and examples of both.	To understand that mixtures are very important in our daily life.	https://www.youtube.com/watch?v=dW1Vn6cbTRE	
			LINK 5	
	Solutions:The components of Solution:- Solute and Solvent	*To understand the different types of solutions.	https://www.youtube.com/watch?v=SaNZAyqOeT0	Dissolve different solutes in solvent and compare their solubilities.
		*To calculate the mass percentage of solutions.	LINK-6	
		*To differentiate between three types of solutions.	https://www.youtube.com/watch?v=urcxDUJIoyI	
			LINK 7	
June	Types of solution: Saturated Solution, Unsaturated Solution and Supersaturated Solution	To understand the significance of saturated solution,unsaturated solution and supersaturated solution.	https://www.youtube.com/channel/UCTB_Mn10B2ZL3RUnPteVKqA	Make a saturated solution ,
			LINK 8	unsaturated solution and
			https://www.youtube.com/watch?v=qcpiDByaNw	observe the changes in between them.
	SUMMER HOLIDAYS			
JULY			LINK 1	
	True solution: Defination, Examples of True Solution, Properties of true of solution	To understand the meaning of true solution	https://www.youtube.com/watch?v=_4dA2-WcS4	
		To realize the impotence of true solutions in our day to day life.	LINK 2	Make an activity based short video to prepare a true solution
			https://www.youtube.com/watch?v=w4BU_gg-R9q	
	Suspension solution Definations with examples, Properties of Suspension solution	*To understand the properties of suspension solution	LINK 3	perpare suspension solution
		*Explain Tyndall effect with examples from day to day life.	https://www.youtube.com/watch?v=LkUs4qZ9BRo&t=36s	and observe its properties.
		*Apply their knowledge in daily life.	LINK 4	
			https://www.youtube.com/watch?v=8Xcpq6e8pBY&t=6s	
			LINK 5	
	Colloidal solutions : Define with examples.	*Identify the various types of colloidal solutions	https://www.youtube.com/watch?v=JB_9ZbUoEFE	compare the examples of various types of colloids.
	Properties of colloidal solutions.		LINK 6	
			https://www.youtube.com/watch?v=w4BU_gg-r9Q	
			LINK 7	
	Difference between true solution,colloidal and suspension solution.	To compare the properties of true solution, suspension and colloidal solution.	https://www.youtube.com/watch?v=a4GF5bcMuMs	Prepare all the three types of solutions and classify them on the basis of their properties.
			LINK 8	

			https://www.youtube.com/watch?v=XEAiLm2zuvc	
SEPTEMBER	CHAPTER 3 ATOMS AND MOLECULES			
			LINK 1	
	laws of chemical combination,law of constant prportion	*students will able to differentiate between two laws	https://youtu.be/pEIQ93tQ-yo	Observe mass of reactant and mass of product is equal during chemical reaction.
OCTOBER			LINK 2	
	Atom, atomic size,modern symbols	*students will able to understand formation of atom.	https://youtu.be/11VXM_b2KFY	
		*critical thinking		
			LINK 3	
	Atomic massMolecule,molecule of elements and compound	*students will able to understand difference between atom and molecule.	https://youtu.be/KuyB-445gQM	draw structure of compounds by using balls and iron stick
		*students will understand how to make chemical formula of copound		
			LINK 4,5	
	Ion,Chemical formula, molecular mass,formula unit mass	* students will enable to calculate M.M and F.U.M	https://youtu.be/FcIVPVLt2L4	
			https://youtu.be/tmDmBqCrhNY	
NOVEMBER	CHAPTER 4 STRUCTURE OF ATOM		LINK 1	
	introduction atomic structure,thomson's model of atom	* students enable to draw different structure of atom	https://youtu.be/ILwnACfo7hY	Compare thomson model with water melon
			LINK 2,3	
	Rutherford's model of an atom,drawbacks,Bohr's model of atom,neutron	* students will able to differentiate different theories	https://youtu.be/1EdTw4I6L0U	
			https://youtu.be/fm2C0ovz-3M	
			LINK 4	
	how are electron distributed in different orbits(shells), valency,atomic number and mass number	* students will find valency from electronic configuration.	https://youtu.be/eMY_tRR1Hls	
		*able to learn atomic mass and atomic number		
			LINK 5	
	isotopes and isobars	*to enable the students to learn isobars and isotopes	https://youtu.be/qgJW1g0nCxCQ	uses of isobars in daily life
REVISION				
SUBJECT : BIOLOGY				
MONTH	TOPIC	LEARNING OUTCOMES	SOURCES (Link of videos)/ RESOURCES	Activities/Multiple Assessment, Art integrated and Experiential Learning activities
	Chapter -15 The Fundamental	1. Students will be able to define and explain the term cell.	NCERT BOOK OF SCIENCE for classIX	1. The learner will be asked to make poster of prokaryotic cell.

APRIL	Unit of Life			2. Students will be able to compare diffusion and osmosis and identify
		2. Enlist the postulates of cell theory.	https://youtu.be/tZW1bjDHnTY	different types of osmosis with respect to concentration of the cell.
		3. Identify various types of cells and correlate their		3. To prepare a temporary mount of onion peel.
		shapes and functions.		
		4. Explore and identify the discovery of dead and living cells.		
ASSESSMENT	Weekly written test, Oral test			
MAY	Chapter -15 The Fundamental Unit of Life	1. Students will be able to differentiate between prokaryotic and eukaryotic cell.	NCERT BOOK OF SCIENCE for Class IX	Subject Enrichment
		2. Identification of various organelles	https://youtu.be/N2vp98dy35k	1. Identify the structure and location of different organelles with the help of
		3. Students will learn functions of various organelles,	https://youtu.be/37ZqbgJ68vs	diagrams.
		location and function of ER, Golgi Apparatus,	https://youtu.be/hME6z4G_39s	2. Students will be able to exhibit creativity and accuracy in diagrams.
		lysosomes, Mitochondria, Plastids .		3. To prepare a temporary mount of cheek cell and compare types of cell organelles.
			https://youtu.be/lBj0Y1Uh0M8	4. Students will be able to differentiate between plant cell and animal cell.
ASSESSMENT	Quiz, Weekly written test, Periodic test-1 syllabus Fundamental Unit of Life (Upto prokaryotic cell and eukaryotic cell)			
JUNE	SUMMER BREAK			
JULY	Chapter -15 The Fundamental Unit of Life	1. Introduction of Cell division		1. Students will exhibit their creativity through model making.
		2. Students will be able to differentiate between	https://youtu.be/Fj79A-84Zyo	
		mitosis and meiosis.		
ASSESSMENT	MODEL MAKING			
AUGUST	Chapter -6 Tissues	1. State the importance of tissues and different types of tissues.	NCERT BOOK OF SCIENCE for class IX.	
		2. Explain the difference between plant and animal tissues.	https://youtu.be/IIQD12mf-dk	
		3. To classify different types of plant and animal tissues and explain their structure, location and functions.	https://youtu.be/7COBSz7DxTw	Subject Enrichment
			https://youtu.be/09Fsj8BpH8Y	1. Students will observe structures of different plant and animal tissues
			https://youtu.be/Prk-T2nDtCw	through slides.
			https://youtu.be/2iLtGXRQD2Q	2. Students will be able to draw different types of epithelial and connective
		types of tissues.	class IX.	

		2. Explain the difference between plant and animal tissues.	https://youtu.be/IIQD12mf-dk	
		3. To classify different types of plant and animal tissues and explain their structure, location and functions.	https://youtu.be/7COBSz7DxTw https://youtu.be/09FsJ8BpH8Y https://youtu.be/Prk-T2nDtCw https://youtu.be/2iLtGXRQD2Q	Art Integration 1. Students will observe structures of different plant and animal tissues through slides. 2. Students will be able to draw different types of epithelial and connective
ASSESSMENT	Oral and written test			
SEPTEMBER	SYLLABUS- Chapters 5 and 6	MID TERM EXAMINATION		
OCTOBER	Ch-15 Improvement In Food Resources	1. To understand about food crops and fodder crops.	https://youtu.be/S1KGDag8ptw	1. Students will list kharif and rabi crops of different states.
		2. Differences between rabi and kharif crops		2. Students will list hybrid varieties of wheat, rice and maize.
		3. To understand application of hybridisation for improving crop varieties.		3. Students will be able to draw different cropping patterns.
		4. Differences between manures and fertilizers.		
		5. To learn about traditional and latest irrigation methods used in agriculture.		
		6. To understand different cropping patterns followed		
		i.e. mixed cropping ,inter cropping and crop rotation.		
		7. Different methods of crop protection management.		
NOVEMBER	Ch-15 Improvement In Food Resources	1. To understand about Animal Husbandry	https://youtu.be/Bc1UJZTcHkc	Experiential Learning
		2. To understand b/w milch and draught cattle.		Students will make ppt showing capture fish, mariculture and aqua culture.
		3. Introduction of Poultry Farming		Students will collect information on Indigenous and Exotic varieties of cattle, poultry
		Differences b/w broilers and layers.		birds and honey bees.
		4. Management practices used in Poultry farming.		
		5. Students will learn about Fish production		
		6. Various types of fish farming will be learnt.		
DECEMBER	PERIODIC TEST II			

	Why Do We Fall Ill? (Formative Assessment)	Health and its failure. Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria and Protozoans) and their prevention; Principles of treatment and prevention. Pulse Polio programmes.		
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