



CLASS-I

MONTH	CHAPTER	EXPECTED LEARNING OUTCOMES	PEDAGOGICAL APPROACH (TEACHING METHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
	Term-1 1-About Self	Students will understand about myself.	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3.paste family photograph 4.Home assignment	1.Relevance to content 2.Neatness 3.Creativity, presentation	Draw or paste your likes.	Animated video based on myself
APRIL	2-My Body	Students will understand about body parts and their functions	Constructivist Inquiry based Approach		1.Relevance to content 2.Neatness 3.Creativity, presentation	Draw body parts	Animated video based on body parts, song based on body parts
	3-Sense organs	Students will understand about sense organs and their functions.	Constructivist Inquiry based Approach	homework)	1.Relevance to content 2.Neatness 3.Creativity, presentation	Draw sense organs Sensorial activity	Animated video based on sense organs, song based on sense organs.





	4 - Looking after My Body	understand the	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3.Homeassignment	1.Relevance to content 2. Neatness 3.Clarity of thoughts	Activities based on indoor and outdoor games	Animated video based on good habits
JULY	5-The clothes we wear	Students will understand that clothes protect us from heat and cold. We wear different types of clothes according to the seasons.	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness 3.Clarity of thoughts	Draw or paste the pictures of different types of clothes we wear	Animated video based on clothes we wear.
	6-Food we eat	Students will understand the importance of food and its varieties	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2.Neatness 3.Creativity, presentation	Discuss different types of meal. &draw your favorite food	Animates video based on healthy food.
AUGUST	7-Safety Rules	Students will understand the importance of safety rules and ways by which they can avoid accidents and keep Themselves safe.	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	Relevance to content Neatness Creativity, Presentation	Paste or draw any 5 things that are not safe to play.	Animated video based on safety rules.
1	TERM 2 1-My Family	Students will understand importance of family and its types	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness 3 Creativity, Presentation	Paste the photographs of family members and make a family tree.	Animated video based on types families





~	2.We help one another		Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness 3Creativity, Presentation	Make a list of your family members and write the dates of their special days	Animated video based on helping one another
SEPTEMBER	3.We need shelter	Students will understand the importance of shelter, types of houses and roofs	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness 3Creativity, Presentation	Read the names of special houses and colour them	Animated video based on shelter and its types
	4. Rooms in a house	Students will understand the different kinds of rooms and their uses.	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	 Relevance to content Neatness Creativity, Presentation 	Poem/Story based on types of room.	Animated video based on different types of room
OCTOBER	5- Our neighborhood	Students will understand importance of neighborhood and the People who lives in it are called neighbors.	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	Relevance to content Neatness Greativity, Presentation		Visit to school campus
Ö	6-My School	the importance of school	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	Relevance to content Neatness Greativity, Presentation		Visit to school campus
NOVEMBER	7-People who help us	understand the	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3.Home assignment	1.Relevance to content 2. Neatness 3.Presentation, Creativity		Animated video based on helpers





NOVEMBER	8.Festivals	Students will understand the about festivals	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2.Neatness 3.Presentation , creativity	Draw the pictures of your favourite festival. Make greeting cards for Diwali and Christmas	Animated video based on festivals
	1.Good manners and habits	Students will understand about habits and manners	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2.Neatness 3.Presentation, creativity	Draw the pictures of good habits	Animated video based on good habits and manners
DECEMBER	2.Travelling is fun	Students will understand the different means of transport	Constructivist Inquiry based Approach	1.Worksheet2.Portfolio3. Homeassignment	1.Relevanc e to content 2.Neatness 3.Presentation , creativity	Draw different pictures of different modes of transport	Animated video based on different modes of transport
	3.The world of plants	Students will understand different parts of plants and their importance	Constructivist Inquiry based Approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2.Neatness 3.Presentation	1. Nature walk 2. Draw different parts of plant 3. Paste different leaves	Animated video based on plant around us
	4-The World of Animals	Students will understand about the different species of animals and the places where they are found		1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness 3.Presentation , creativity	Draw and Write the names of the animal and match to their homes.	Show video based on animals
JANUARY25	5-All about Water	Students will understand the importance of water, sources and ways to save water	Collaborative approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness 3.Presentation, creativity	Color the vessels used to store water.	Animated video based on sources of water.
	6-Up in the sky	Knowing about The Sun , Moon, sky, clouds	Constructivist, Collaborative approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness	Draw and color the rainbow	Animated video based on sky



ARY 25	7-Earth Activity	Students will know about the natural things present on earth like mountains, forest, plains, hills, desert	Constructivist, Inquiry based approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness	Role play	Animated video based on Earth and types of land
FEBRU	8- Weather Activity	Students will understand about the change in weather and seasons affect our life in the way we dress, things we do and food we eat.	Constructivist, Inquiry based approach	1.Worksheet 2.Portfolio 3. Home assignment	1.Relevance to content 2. Neatness	Role play	Animated video based on types of weather

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CLASS-II

MONTH	CHAPTER	EXPECTED LEARNING OUTCOMES	PEDAGOGICAL APPROACH (TEACHING METHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
APRIL	1.Myself	Students will understand all about myself	Constructivist, inquiry based	Worksheet, Hands on activity	Approach Meeting Exceeding	Make a name tag	Digital learning
JULY	2.HUMAN BODY	Students will understand how our body part help us, our sense organs and growing older	Collaborative approach, team work, games, quizzes	Worksheet,	Approach Meeting exceeding	Visit to a bio lab	Video on human body
חר	3.MY FAMILY	Students will understand about the importance of their family.	Interactive and Inquiry based		Approach, relevance, clarity and Neatness.	Draw and paste a picture of your family.	Video on family
AUGUST	4.FOOD WE EAT	Student will understand food groups, vegetarian and non-vegetarian, meals, water, golden food habits	Constructivist, Integrative, inquiry based	Worksheet Class test	Approach meeting exceeding	Visit to vegetable garden, picnic spot food of Nagaland	Video on healthy and unhealthy food
AU	5.CLOTHES WE WEAR	Types of clothes, from cotton fiber to clothes	Constructivist, Integrative, inquiry based	worksheet		Demonstration.	Video on fiber and fabrics





	6.weneed shelter	Students will understand kinds of houses, people who make our house	Constructivist, integrative, inquiry based	Worksheet Class test	Approach Meeting Exceeding	Draw different type of houses.	Video on KINDSOF HOUSES
3ER	7.keeping healthy	Importance of Food for health	Constructivist, integrative, inquiry based	Worksheet	Approach Meeting Exceeding	Discussio n based on values and life skills	Video on healthy habits
SEPTEMBER	8.Safety and first aid	Students will understand about safety on road, school, vehicle	Constructivist, collaborative, Integrative	Hands on activity	Relevance to topic, sequence, oral presentation	Prepare a poster on road safety. Find out about different types of road- safety signs and include them in your poster	Video on traffic rules
OCTOBER	9. Know your manners	Students will understand that manners make a good impression.	Constructivist Integrative approach	Puzzles worksheet	Relevance to topic, sequence, oral presentation	Role play	
00	11.Neighborhood	Students will understood about neighbor and quality of good neighbor.	Constructivist Integrative approach	Puzzle worksheet	Approach meeting Exceeding	drawing	Digital learning
NOVEMBER	12.We need them	Students will learn about people who help us, people who care for us, and people who entertain us.	Constructivist integrative	Worksheet	Approach meeting Exceeding	Draw a picture people who help you	





NOVEMBER	13.Our festivals	Students will learn about national festivals and harvest festivals.	1.Constructive, 2.Integrative approach. 3. Storytelling	Worksheet home assignment	Concept Chart, Group discussion	Drawing and pictures Related to festival.	Videos on festivals
> 0 2	14 Travel and communicate	Types of communication and students will learn about travelling.	Constructivist integrative approach		Draw your own journey	Telephone game	Video travelling, world and country
DECEMBER	15.Directions and time	Students will understand about direction, time (hours, minutes and seconds, years, months	Constructivist integrative	demonstration	Approach Meeting Exceeding	Story based on direction and time	Video based on topic
DECE	16.Weathers and seasons	weeks) Students will understand about weather and seasons (summer, winter	Constructive, Integrative approach			Clock craft Draw and colour different types of	Video
	17. The world of plants	And spring). Students will understand about the use of plants.	Constructive, Integrative approach			Nature walk, visit to a garden	Video on plants
7 26	18. Plants are useful	Students will understand about plants how they are useful for us.		Worksheets, Activities	Relevant concepts, neatness, leadership skills.		Video
JANUARY 26	19. The world of animals	Students will learn about the world of animals.	1.Constructive, 2.Integrative approach. 3.Storytelling	Concept Chart, Group discussion	Thoughts, Sequence	Prepare a chart showing different types of animals	Video





	20. Animals are useful	Students will learn about how animals are useful for us.	Constructive, Inquiry based			Video on animals
7 26	21. THE WORLD AROUND US.	Students will understand about the earth, The Moon and The Planets	Constructive Inquiry based	performance content, coordination, concept	Diagram	Video
FEBRUARY	22. AIR	Students will learn about AIR.	Constructive, inquiry based reflective	content, vocabulary, relevance concept	Balloon games	Video
_	23.WATER	Students will learn about WATER.	Constructive, inquiry based ,reflective	worksheet	Group activity	Video

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Class III

MONTH	CHAPTER	EXPECTED LEARNING OUTCOMES	PEDAGOGICAL APPROACH (TEACHING METHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
APRIL	1. Living and non-living things	Living and non-living things, natural and man-made things, Characteristics of living things, differences between living and non-living things.	Constructive approach, Collaborative approach Storytelling	Class test, Group Discussion worksheet	Relevant concepts, neatness, and leadership skills.	Write and draw two examples of non-living things and living things from our surroundings Flash card game	Video
	2. Parts of plants	Parts of plant, Root system, Shoot system, Functions of different parts, germination of seed	Collaborative, inquiry-based, integrative approach story telling	Concept chart, art G. D. worksheet	involvement, content, sequence, creativity, presentation, neatness	Make a plant by using some real parts of plants	Video
JULY	3.Birds	Body parts of a Bird, how to birds fly? Food habits of Birds, Nest of Birds.	Constructive, Integrative approach. Storytelling	Concept chart, art ,G.D .worksheet	relevance to topic, neatness, content	Birds of the feather with song and dance (movements ,sounds ,poems)	Video



	4.Human body: A living wonder	Human body, Organ systems of human body(Skeletal System, Muscular System, Digestive System, Circulatory System, Respiratory System, Excretory System, Nervous System, Reproductive System Staying Fit and Healthy	1. Constructive2. Integrativeapproach.3. Storytelling	Case study, Flow- chart	Thoughts, Sequence	Model on digestive system Role play on different organ system	Video	
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			FIRST PERIODIC AS	SESSMENT			
AUGUST	5.Food and feeding habits of animals	Eating Habits of Animals, How Do Animals Feed?, Special Feeding Habits of Some Animals, Food Chain, Taking Care of Animals.	Integrative approach.	Concept map. G. D. worksheet	Q/A, Coordination presentation expressions	Paste pictures of different animals on chart paper Model on animal feast who eats what?	Video
SEPTEMBER	6.Housing and clothing	Good and Clean House How to keep house clean, Natural Fibres, Man- Made Fibres, Clothes and Seasons.	1. Constructive, inquiry based, collaborative. 2. Storytelling	Relevance to topic, Correct identification worksheet	Thoughts, Sequence	Design a home of your choice. Design a costume for your paper doll/pup pet	Video



	7.Safety and first aid	Safety on the road, Safety at Home, Safety at School, First Aid.	1.Constructive, integrative, inquiry based. 2.Storytelling	art, concept map. Worksheet	relevance to topic, sequence, oral presentation	Prepare a poster on road safety. Find out about different types of road-safety signs and include them in your Poster Role play on first aid	Video		
~	MID TERM ASSESSMENT								
OCTOBER	8.Soil: A natural wonder	Formation of Soil, Types of Soil, Components of Soil, Uses of Soil, Taking Care of Soil.	1. Constructive, collaborative, integrative. 2. Storytelling	Case study, art, puzzles, worksheet.	Approach, relevance clarity, and neatness.	Make clay toys. Soil texture art	Video		
NOVEMBER	9. Light, sound, and force	Light, Shadow, features of a shadow, Sound, Production and Types of Sounds, Force.	 Constructive, collaborative, inquiry-based. Storytelling 	Inquiry- based worksheet.	content, neatness, sequence	Observe the change in the size of the shadow Game-based (relay race, tug of war and on shadow)	Video		
ON	10.Air,water and weather	Air, What does Air Contain? Use of Air, Water, Water Cycle, Weather, Changes in Weather, Seasons	1.Constructive, inquiry-based, reflective. Storytelling	Concept map, sketch, worksheet.	Performance, content, coordination.	Observe the change of state of Water Model of the water cycle.	Video		





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DECEMBER	11.Sun, moon and stars	The Sun, The Stars, The Planets, The Moon.	 Constructive, inquiry based. Storytelling 	G.D., class test, worksheet.	relevance to topic, neatness, content	Role play and model making on solar system	Video				
JANUARY 26	12. The earth	The Earth, How was the Earth formed? Shape of the Earth, Movements of the Earth, Revolution.	 Constructive, inquiry-based. Storytelling 	Constructive inquiry-based	Performance content coordination	Collect pics of two Indian space women. Paste them and write two lines about Them. Earth game "land and water"	Video				
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CLASS-IV

MONTH	CHAPTER	EXPECTED LEARNING OUTCOMES	PEDAGOGICAL APPROACH (TEACHING METHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
APRIL	1.Plants: The Producers	Leaf, Photosynthesis, Storage if food in plants, Interdependence of Plants and Animals, Balance of Nature.	 Constructive approach, Collaborative approach. Storytelling 	Worksheets, Activities	Relevant concepts, neatness, and leadership skills.	Draw a well-labeled diagram of a leaf and colour it green. Make a herbarium of different types of leaves	Video
AF	2. Adaptations in Plants	Adaptations in Plants, Plants based on Habitat.	1.Collaborative, inquiry-based, integrative approach 2. storytelling	Group Discussion	content, sequence, creativity,	Draw Christmas tree on a drawing sheet. Colour it nicely. Write two lines about this plant. Flash card game	Video
	3.Reproduction in Animals	Reproduction, Animals that Lay Eggs, Animals that Give Birth.	Constructive, Integrative approach. Storytelling	Concept chart ,drawing, G. D. worksheet	relevance to topic, neatness, content	Model on life cycles Eg. frog ,butterfly	Video
JULY	4.Adaptations in Animals	Adaptations in Animals, Adaptations for food, protection and habitat. Endangered Animals.	1. Constructive, Integrative approach. 2. Storytelling	Concept Chart, G.D. Worksheet	Thoughts, Sequence	Prepare a chart showing different types of animals and their adaptation. Animal album	Video





			FIRST PERIODIC	ASSESSMENT			
AUGUST	5.Food:Our basic Need	Nutrients ,Balanced Diet, Cooking and Preservation of Food.	1. Collaborative 2. Integrative approach. 3. Storytelling	Case study, Flow– Chart worksheet	Q/A Coordination Presentation expression	Collect pictures of different methods of food preservation. Prepare a collage on healthy habits	Video
	6.Human teeth and digestive system	Teeth ,Taking care of Teeth, Microbes Digestive System.	 Constructive, Inquiry based, Collaborative. Storytelling 	Worksheet, G. D. Concept map	Thoughts, Sequence	Prepare a poster on healthy eating habits and paste it on the wall of your dining room. Role play on digestive system	Video
SEPTEMBER	7.Safety First	Safety at Home, Safety at School, Safety on Road, First Aid.	1. Constructive 2. integrative 3. inquiry 4. Storytelling	Surveys, art, and Concept Map. worksheet	Relevance to topic, sequence, oral presentation	Make a poster on various safety rules, Safety superstar show	Video
OCTOBER		•	MID TERM EXAMINATION				





	8. Clothes	Clothes, Types of Clothes, Making of Clothes, Care of Clothes.	 Constructive, collaborative, inquiry-based. Storytelling 	Case Study , Art, Puzzles, Worksheet	Approach, relevance, clarity and neatness	Design clothes for your doll/ puppet by using different fabric	Video			
MBER	9. Solids, Liquids, and Gases	States of Matter, Change of States, Solution.	1. Constructive,2. integrative3. inquiry4. Storytelling	Concept map, Chart, MCQ worksheet	content, neatness, sequence	Make a chocolate drink for yourself. An artistic journey –by using foil paper, water color and cotton to differentiate states of matter	7.000			
NOVEMBER	10. Force, Work and Energy	Force, Types of Forces, Work, Simple Machines, Energy, Sources of Energy.	 Constructive, inquiry-based Reflective. 4. Storytelling 	Activities: think-pair- share, Concept map, MCQ.	performance content, coordination	Make a paper windmill using coloured papers, glue, and stick Games based on tug of war, relay race	Video			
	SECOND PERIODIC ASSESSMENT									
DECEMBER	11.Air,Water andWeather	Air ,Land Breeze and Sea Breeze, Water, Change of States, Water Cycle, Forms of Precipitation, Purification of Water, Weather, Changes in Weather.	,integrative approach 2. storytelling	Concept map, Sketch, Worksheet	performance content, coordination	Model on water cycle and land breeze and sea breeze.	Video			





	12.TheSolar System	The Solar System The Earth, Movements of the Earth.	 Constructive, inquiry-based, reflective. Storytelling 	Group Discussion class test, Worksheet.	relevance to topic, neatness, content	Make a solar System using cardboard and paper. Storytelling and role play on solar system	Video		
JANUARY 26	13. Green and Clean Earth	Our Environment, Importance of Trees, Waste Management.	 Constructive, inquiry-based. Storytelling 	Activities, worksheet, G. D.	Performance content, coordination	Make a pen stand from an old jar Slogan and poster making on environment	Video		
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CLASS-V

MONTH	CHAPTER	EXPECTED LEARNING OUTCOME S	PEDAGOGICAL APPROACH (TEACHING METHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
APRIL	1. Growing plants.	To know about structure and germination of plant, agriculture and reproduction.	Constructive approach, Collaborative approach	class test, G.D. worksheet	.Devolvement, content, sequence, creativity, presentation, neatness.	1. Grow new plant from a root/stem/seed 2. Sprouting of seeds 3.paste/draw5-5 rabi and kharif crops	Video
AF	2.Habitat and Adaptation.	Habitat of animals, body covering, feeding habits and migration	Collaborative, inquiry-based ,integrative approach	concept map, art, G.D. worksheet Class test	Relevant concepts include neatness, leadership skills.	1. Wildlife habitat diorama. 2. Students will make an animal album	video
	3.Human Skeleton system.	Bones and different types of joints, muscles and importance of fitness.	Constructive, Integrative approach.	Case study, Flow chart Worksheet Class test.	Thoughts, Sequence.	Mode of human skeleton Or build your own skeleton buddy	Video
JULY	4. Human nervous system	Importance of the Nervous system and sense organs.	Constructive, Integrative approach.	Worksheet, G. D., concept map, roleplay on sense organs.	Q/A, Coordination, presentation, and expression.	Make 3 d model of the human brain Role play on different types of nerves and on reflex action	Videos





			FIRST PERIODIC	CASSESSMENT	•		
AUGUST	5. Food and health.	Nutrients, balanced diet, deficiency and communicable diseases.	Collaborative, Integrative approach.	cooperative learning, worksheet, class test	Relevance to topic, correct identification	Model on the food pyramid. Make your healthy food salad Yoga with food-themed poses	videos
SEPTEMBER	6. Safety and first aid.	Safety rules, first aid.	Constructive, inquiry-based, collaborative	2. Surveys, art, concept map. Worksheet class test	relevant topic, sequence, oral presentation	make a poster on important rods signs Prepare a first aid box Safety super star show	Module on safety rules.
SE	7. soil	Soil profile, erosion and its conservation.	Constructive, integrative, inquiry-based	Case study, art, puzzles, worksheet.	Approach, Relevance, clarity and neatness.	Draw a picture of soil profile. Soil texture art	Videos
			MID TERM E	EXAMINATION			
OCTOBER	8. Rocks and minerals.	Types of rocks, minerals and its uses.	Constructive, Collaborative, integrative.	Concept map, chart, MCQ. Worksheet Class test	Sequence, relevance, content, presentation.	Draw pictures of some monuments of our country such as the Taj Mahal, Jama Masjid, etc. Find out rocks they are made of. Create 3D	
						made of.	





MANAMANON		9. Force, energy and simple machines.10. Air and water.	Forces, effects and types of forces and simple machines. Uses of air and water its composition, and properties.	Constructive, collaborative, inquiry-based. Constructive, inquiry-based, Reflective.	Activities: think-pair- share, concept map, MCQ. Concept map, sketch, worksheet.	Content, neatness, sequence. Content, vocab, relevance	Make a model of the layers of the atmosphere by using colorful paper Make a water sprinkler Create a simple machine model	Videos on water and air.
				SECOND PERIODIC	ASSESSMENT	Ī		
a a a a a a a a a a a a a a a a a a a		11.Natural Disasters	Earthquake , effects of earthquake, cyclone and Tsunamis, floods and, droughts	Constructive, inquiry based	Activities, Think pair and share, worksheet.	Relevance To topic, neatness, Content.	Prepare a tabular chart about some Precaution need To be taken During different Natural disasters College making on natural disaster	Videos on Natural Disasters
		12.The Earth, the Sun and the moon	Internal structure of earth, Moon and phases, eclipse	Constructive , inquiry-based	Class test, Group Discussion Worksheet.	Performance, content, Coordination.	Draw and colour The diagram of Solar eclipse And lunar eclipse. Role play on the movements of earth	Videos on The earth, the Sun and the moon
SC NA	200	13.Our environment	Pollution, greenhouse Effect and gases, global warming	Constructive, Inquiry-based.	Activities, Worksheet G.D	Sequence, relevance to topic, Performance.	Make a poster on Say no to Plastic and Paste it in your Note book. Environment song and dance	Videos of Our environment





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CLASS-VI

MONTH	CHAPTER	EXPECTED LEARNING OUTCOMES	PEDAGOGICAL APPROACH (TEACHINGMETHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
	1.The Wonderful World of Science	Understanding that science is a way of thinking, exploring the natural world.	Collaborative, integrative, constructivist, inquiry based.	Concept map, activities.	Content, neatness, presentation.	Earth day celebration- role play.	Videos.
APRIL	2 Diversity in living world.	Explore the vast variety of life forms on earth, classification of living organisms, Features of Plants and their types herbs, shrubs and trees.	Collaborative, integrative, constructivist, Inquiry based.	Concept map, art, worksheets, activities	Creativity, presentation, content, and neatness.	Paste the pics of types of plants based on their height, types of leaf venation and roots	PPT on different types of plants and animals found in India
JULY	3. Mindful Eating :A path to a Healthy Body	Understanding food components, balanced diet and recognizing the consequences of nutrient deficient diet.	Constructivist, collaborative, integrated.	Concept map, activities, diagrams, mcq. Chart.	Creativity, performance, and neatness.	Mindful plate with clay	Videos
	4.Exploring Magnets	Magnetic materials, magnetic poles and explore the concept of attraction and repulsion.	Constructivist, inquiry based, collaborative.	Activities, Class test.	Performance, content, sequence.	Puppet Show by using small magnets	





			FIRST PERIO	DIC ASSESSME	NT					
AUGUST	5.Measurement of Length and Motion	0 0	Constructivist, collaborative, integrative and inquiry based.	Activity, concept map, art, projects.	Neatness, content, presentation, expression, dialogues	Project :Types of Motion	Videos			
SEPTEMBER	6. Materials Around Us	Classify materials based on their characteristics and develop a relationship between material properties.	Collaborative, inquiry-based.	Group Discussion, MCQ,	Lab Activities, concept mapping.					
SEPT	9.Methods of Separation	Mixtures, their types, importance of separation as well as new techniques in everyday life.	Constructivist, Collaborative, integrative, inquiry based.	Home assignment, role play, portfolio.	Presentation, content. expression, Dialogues.	Stage play presenting different methods of separation on "Bharat Ki Yatra" of Madhya Pradesh and Manipur.	videos			
	MIDTERM EXAMINATION									
OCTOBER	7. Temperature and its Measurement.	Distinguish between hot and cold, temperature scales, use of clinical and lab thermometer.	Constructive, collaborative inquiry, integrative.	Case study, Mcq, activities, worksheet.	Presentation, neatness analysis.	Working homemade Thermometer.	videos			
NOVEMBER	10.Living Creatures: Exploring their characteristics	Recognizing common characteristics like growth, reproduction, understanding different life cycles and exploring how organisms adapt to their habitat.	Constructivist, integrative, inquiry-based, collaborative.	Activities, model, concept map.	Content, neatness, correct formation. thoughts, analysis.	3D Model of life cycle of seed/ draw life cycle of frog, mosquito.	Videos			





	8.A Journey through states of water	Focus on understanding different states of water, process of melting, freezing etc.	Constructive, collaborative, inquiry based, integrative.	Lab activity, team work. .class test.	Presentation, analysis Coordination.	Working model of water cycle.	Videos			
~	SECOND PERIODIC ASSESSMENT									
DECEMBER	11. Nature's Treasure	,	Constructive, collaborative, integrative, inquiry-based.	Group discussion activity, case study.	Presentation, thoughts, and neatness.	Mineral Kit and Make Jewelry with stones of Nagaland.	Videos			
JAN26	12.Beyond Earth	Understanding of constellation, celestial bodies and space exploration.	Constructivist, collaborative, inquiry-based, integrative.	Concept map, case study, activity.	Creativity, content, performance.	Make a Constellation Projector, make an embroidery of the constellation.	videos			
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CLASS-VII

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	1. The ever— evolving world of science.	Focus on developing a scientific attitude and understanding of the scientific process.	 Constructive, Collaborative, inquiry-based 	MCQ, survey, analysis.	Presentation, concept, creativity.	Earth day activity- poster making on the theme Our Planet our power.	Videos
APRIL	10. Life processes in plants.		2. Collaborative, constructivist, integrative.	2. Concept making, field trip, lab activity.	2. Relevant concept, creativity Presentation	Develop a bottle garden by planting jade, spider plant.	Video on the mode of nutrition.
JULY	9. Life processes in animals.	Learn about essential processes like digestion, respiration, circulation and excretion.		Diagrams, teamwork, concept mapping Worksheets.			Module on digestive system.
				IC ASSESSMENT			
AUGUST	2. Exploring substances: Acidic, basic and neutral.	Identify substances with indicators, Properties of acids, bases, neutralization reaction and their uses.	Constructive, collaborative, integrative, inquiry-based.	Worksheets.	performance, Neatness. Content.	Create rangoli using acidic or basic substances and natural indicators/ food chart of acidic basic substances with diagram.	Module on lichen and hydrangea.





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SEPTEMBER	3. Electricity: circuits and their components. 5. Changes around us- Physical and chemical.	Differentiate between static charges and electric current, understand the concept of an electric circuit, its components and construction. Distinguish between physical and chemical changes, reversible and irreversible changes and their examples in everyday life.	Constructive, integrative .collaborative, inquiry based. Inquiry-based, collaborative, constructive, integrative.	Class test Case study, Q/A. Lab activity, g.d., concept map.	Concept map, research, creativity. Concept, creativity, Performance.	lightning a bulb/ Electric multiple assessment project. Visible message write on paper with lemon juice by warming it with	Videos on power house generation. Videos on landslide and erosion in Manipur.
			MID TERM I	EXAMINATION			
OCTOBER	4. The world of metals and non-metals.	Learn to distinguish between these, identify their physical properties and understand how they react with other substances.	Constructive, integrative, inquiry based and collaborative.	Lab activity Case study, survey.	Approach, performance, Content, neatness.	Make collage on different metal art styles like dhokra, barware etc. of M.P. and Nagaland.	Videos to show states where gold, aluminum, iron found.





6. Adolescence: A stage of growth and changes in body, role of hormones in it and its types along with personal hygiene. 8. Measurement of time and motion. 6. Adolescence: A stage of growth and changes in body, role of hormones in it and its types along with personal to measure time. 8. Measurement of time and motion. 6. Adolescence: A stage of growth and changes in body, role of hormones in it and its types along with personal hygiene. 8. Measurement of time and motion. 6. Adolescence: A stage of growth and changes in body, role of hormones in it and its types along with personal hygiene. 8. Measurement of time and motion. 9. Total along the how to keep study, g.d., diagrams. 9. Model, worksheets. 9. Content, Creativity, oscillation oscillation oscillation.	personal marriage.								
and its types along with personal hygiene. 8. Measurement of time and motion. Students learn to measure constructive, integrative. And its types along with personal hygiene. Model, worksheets. Creativity, oscillation									
time, understand different types of motion, and calculate speed. performance, accuracy, time Management.	and motions.								
SECOND PERIODIC ASSESSMENT	SECOND PERIODIC ASSESSMENT								
7. Heat transfer in nature. Focus on heat transfer, its modes, and the role of different materials in this process. Inquiry based, collaborative, constructive, and integrative. Inquiry based, collaborative, constructive, and integrative. Lab activity Approach, performance, accuracy. Make work constructive, and integrative. breeze and breeze/ spin paper by bu candle.	heat transfer. sea nning of								
11. Light: Shadows and reflections. Understanding that light travels in a straight line, the concepts of reflection and refraction, and the different types of images formed by mirrors and lenses. Understanding that light travels collaborative, collaborative, collaborative, constructive, integrative. Field trips (forest trip), Writing assignment. Wake 3d mo collaborative, clarity of thoughts, vocabulary, presentation. Show.	inhole and reflection of light, types of objects.								





FEB 26	12. Earth, Moon and the sun.	The Earth's rotation and revolution cause the moon phases, the causes of solar and lunar eclipse.	Constructive, collaborative, integrative, inquiry-based, reflective.	Worksheets, survey, teamwork, case study.	presentation.	Role play on the revolution and rotation of earth and model of solar and lunar eclipse.	Video on star trails, observatory.
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CLASS-VIII

MONTH	CHAPTER	EXPECTED LEARNING OUTCOMES	PEDAGOGICAL APPROACH (TEACHING METHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
APRIL	Chapter-1 Crop production and management	Basic Terminology, Crops, Types of crops, Agriculture practices, Agricultural implements, manures and fertilizers, Irrigation, crop protection, Animal Husbandry.	Constructive approach, collaborative approach, reflective approach, storytelling.	Class discussion, oral test, Question and answer, home assignment, worksheet	Sequencing presentation, time management	Observation and record the stages of the seed germination in various seeds.	PPT of agriculture practices.
A	Chaper-3 Coal and petroleum	Basic introduction, Types of natural resources, Fossil fuels, Destructive distillation, Energy And Environment	reflective approach,	Classroom discussion ,oral test ,home assignment worksheet	Neatness, creativity, ,presentation	Paste/draw pictures of petroleum extract. Model of solar cell and windmill	Power point presentation-renewable sources of energy.
JULY	Chapter-2 Microorganism: Friend and foe	Introduction of Micro- organisms and microbiology, Different types of Micro-organisms. Useful and Harmful Micro-organisms, avoiding spreading of Micro-organisms, Conditions that promote Microorganisms	Constructive approach, collaborative approach, reflective approach, Integrative approach, storytelling		-	Draw figures of various microorganism Model of Nitrogen Cycle	Videos on classification of microorganism ; Useful microorganism





	FIRST PERIODIC ASSESSMENT									
AUGUST	Chapter-4 Combustion and flame	Combustion: types of combustion, Flame: structure of flame, Fuels ,fuel efficiency ,harmfulness of burning fuel	Constructive, integrative, story telling	Class discussion, oral test, home assignment, worksheet	Content, sequence, creativity, presentati on	3D charts of flame	Video on different combustible material.			
AU	Chapter – 5 Conservatio n of plant and animal	Introduction of Ecosystem, Forest and its Conservation, Wildlife and its Conservation, Wildlife species and its types, Red data book, Migration,	Constructive approach, inquiry-based approach,	Class discussion, oral test, home assignment, worksheet	Time management relevance to the topic, presentation	Collage and figures to make charts.	Video on different National parks and sanctuaries.			
BER	Chapter-8 Force and Pressure.	Force and types of force, exploring force, effects of force, pressure, effects of pressure	Constructive. Integrative, storytelling	Classroom discussion, home assignment, worksheet	Time management, relevance to the topic	Model on air pressure	Showing module on force and pressure			
SEPTEMBER	Chapter 9 Friction	Introduction of friction, causes, advantages and disadvantages of friction, increasing and reducing friction	Constructive approach, inquiry- based approach, reflective approach, Integrative approach	Class discussion, oral test, home assignment, worksheet		Working model of friction	Showing module on friction			
		,	MID TERM EXAMI	NATION	•		•			





OCTOBER	Chemical effect of electric current		Constructive, Integrative,	Lab activity, classroom discussion, worksheet	Time management performance, Conceptual presentation	Making complete circuit. Electroplating of iron spoon.	Module on electrolysis process,
1BER	Chapter-6 Reproduction in animals	Reproduction, Terminology Involved in male and female reproductive system, Fertilization in Humans, Sex Determination, Metamorphosis	Constructive, integrative, storytelling	Classroom discussion, worksheet	creativity,	Diagrams on methods of asexual reproduction	Modules on sex determination of babies.
NOVEMBER	Chapter–12 Some natural phenomena	Phenomena of nature-lightening: types of charges and their interaction, transfer of charge, safety methods earthquake: causes and effect, protection against Earthquake	Constructive approach, collaborative approach, reflective approach	Classroom discussion, oral test, worksheet		Model of core of earth. Model of earthquake.	Videos on natural disaster- earthquake and tsunami.
R			SECOND PERIODIC	ASSESSMENT			
DECEMBER	Chapter – 7 Reaching the age of adolescence	Different stages of internal and external changes in human beings	Constructive approach, collaborative approach, reflective approach	Class room discussion, worksheet	4.5 .4	Model and 3D charts on metamorphosis (frog/ butterfly)	Videos on position and function of different endocrine gland.





•	JANUARY26		Basic introduction of sound, production, and propagation of sound, characteristics Of sound, human ear	Constructive, integrative	Drawing a diagram of the human ear, worksheet	on, creativity	Models of different musical instruments- ektara , Tabla, Dhol etc.	Video on the structure and function of human ear.
		Chapter–13 Light	Impact and utilization of light, law of reflection and refraction	Constructive, integrative, storytelling, Lab activity.	diagrams, worksheet		model on the structure of human eye	Videos on multiple image formation.

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CLASS-IX-SCIENCE

MONTH	CHAPTER	EXPECTED LEARNING OUTCOMES	PEDAGOGICAL APPROACH (TEACHING METHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
	Chapter5 – The fundamental unit of life (Bio)	Discovery of cell, Cellular Composition in different organisms, shape and size of cells, Prokaryotic and eukaryotic cells, plasma membrane, transport Across the membrane, cell wall, Nucleus, cytoplasm	Constructivist ,Inquiry based	Classroom discussions, question answer, assignment	Content, neatness, completion, time management	Make 3d model of plant /animal/ bacterial cell or any cell organelle	
APRIL	Chapter 7 – Motion (Phy)	Definition of motion, Relative motion, Definition and comparison of distance and displacement, speed and velocity, acceleration, uniform and non-	Constructivist , Reflective, integrative, inquiry based	Classroom discussion, Drawing and understanding graphs, Flip classroom	Content, neatness, completion, time management		videos
	Chapter 1 – Matter in our surroundings (Chem)	Matter, its characteristics and its states, differences between them, interconversion of states of matter and terms related to them, Effect of change of temperature and pressure on the three states of matter	Constructivist, Inquiry based, Reflective	Brainstorming, Classroom discussion, Class test, Demonstration, Flowchart, Group discussion Pen and Paper test	Content ,Time Management Fluency	Demonstration of effect of diffusion in our daily life	





	Chapter5–The fundamental unit of life (continue) (Bio)	Endoplasmic Reticulum, Golgi Apparatus, Lysosomes, Plastids, Vacuoles, Mitosis and Meiosis cell division	Constructivist , Inquiry based, Reflective	Question – Answer session, Sketch, Home assignment	Content, neatness, completion, time management Approach Sequence, time management presentation		Video of cell structure
JULY	Chapter-7Motion (contd) (Phy)	uniform motion, uniform & non-acceleration, Distance- graphs, Equation of motion, Numerical based on three equations of motion, Uniform Circular motion, Exercises		Drawing graphs, problems based numerical	Relevance to the topic: Neatness Accuracy	Make graph of different types of motion	
7	Chapter -8 Force and laws of motion	Force, Balanced and unbalanced force, Galileo's experiment	Constructivist ,Reflective, Integrative, Inquiry- based	Question answer assignment			Video Module (force and laws)
	Chapter 1 – Matter in our surrounding (contd) (Chem)	latent heat, evaporation, factors affecting it, and its cooling effect	Constructivist Inquiry- based, Integrative, Inductive	Class test, Demonstration on Flowchart Group discussion Pen and Paper test	Concept Accuracy Vocabulary Observation Critical thinking Presentation Collaboration Time Management		PPT (States of matters) Videos of inter particle forces
		FIR	ST PERIODIC A	ASSESSMENT			





AUGU ST	Chapter 6 – Tissues (Bio) Chapter8– Force and Laws of Motion (continue)	Plant tissues: types (meristematic tissues, permanent tissues), structure Newton's applications, Inertia and mass	Constructivist , Reflective, Inquiry- based Constructivist Reflective, Integrative,	Classroom discussion, Sketch, Home assignment Classroom discussion, activities, assignments	Content, neatness, completion, and time management Content, neatness, Relevance Approach,	Demonstration of Newton's law by balloon rocket and	
	(Phy)		Inquiry- based	problem- based	Accuracy	table cloths trick	
	Chapter 2 – Is matter around us pure? (Chem)	Pure substances(elements and compounds), mixtures (homogeneous and heterogeneous)	Constructive Inquiry- based Integrative	Laboratory method Classroom discussion Class test	Accuracy	Flowchart of classification of matter,	
MBER	Chapter 6 Tissues (contd.) (Bio)	Permanent tissues: simple permanent tissues & complex permanent tissues, Functions of plant tissues, Animal tissues: types	Constructivist , Reflective, Inquiry-based	Classroom discussion, Sketch, Home assignment	Content, neatness, completion, time management	Draw diagram- different types of animal tissue	
SEPTEMBER	Chapter-8 Force and laws Of motion (contd.) (Phy)	Momentum, Force and acceleration and numerical based on them	Constructivist Inquiry based	Classroom discussions, numerical	Involvement, team management Relevance Approach, Accuracy	ive	Videos on three laws





	Chapter 9 – Gravitation (Phy)	Gravitation, universal law of gravitation, force of gravitation (gravity), free fall, acceleration due to gravity, mass and weight	Constructivist Inquiry based	Classroom discussions, numerical	Involvement, team management Relevance Approach Accuracy	An experiment to perform concept of gravity	
	Chapter- 2 – Is matter around us pure? (Chem)	Solution, colloids and suspension, concentration of a solution, Physical and chemical changes	Constructivist Inquiry-based, Deductive, Integrative	Problem- based learning, Worksheet, Classroom discussion Pen and Paper test	Relevance Approach Accuracy Content Neatness	Calculate the concentration, solubility of solutions	Module (Solution, colloids and suspension)
	MID TERM EXAMINATION						
OCTOBER	Chapter- 6 Tissues (Bio) Contd.	Animal tissues: epithelial tissue, connective tissues, muscular tissues, nervous tissue, structure and function	Constructivist , Reflective, Inquiry-based	Classroom discussion, Sketch, Home assignment	Content, neatness, completion, time management, content, creativity, presentation		Animated video Module for animal tissue
Ō	Chapter-9 Gravitation (continue) (Phy)	Definitions-Thrust, pressure, Buoyant force, factors on which it depends, Archimedes' principle and its applications	Constructivist ,Inquiry based	Classroom discussions, numerical	Relevance Approach Accuracy	Finding the density of given object using spring balance and measuring flask	Module (flotation)





	Chapter 3 – Atoms and Molecules (Chem.)	Laws of chemical combination, Dalton's atomic theory, atoms, their size and symbol, atomic mass, molecules and ions, Writing chemical formulae of common compounds, molecular masses	Constructivist Reflective, Deductive, Integrative	Problem-based learning, home assignments Class test	Relevance Approach Accuracy	Groups create 3D models of molecules using clay, sticks, or balls and label them with chemical formulas.					
	Chapter-12 Improvement in food resources (Bio)	Plant and animal breeding and selection for quality improvement and management; crop production management	Constructivist , Reflective, Inquiry based	Classroom discussion, Sketch, Home assignment	Content, neatness, completion, time management content, creativity, presentation		Presentation and video on animal husbandry				
NOVEMBER	Chapter- 10 – Work, Power and Energy (Phy)	Work –negative and positive, energy-types, kinetic energy-definition, derivation of formula, potential energy-definition and formula, law of conservation of energy, Power, average power	Constructivist Inquiry based	Classroom discussion, activities, Problem based learning	Relevance Approach Accuracy	Conservation on mechanical energy					
E	Chapter 4 – Structure of the Atom (Chem)	Sub atomic particles (electron, proton and neutron), Thomson, Rutherford and Bohr's model of atom, valency, atomic number and mass number	Constructivist Inquiry based, Inductive	Classroom discussion Reasoning Oral test	Concept Critical thinking	ves	PPT and Module (discovery of sub atomic particles)				
	SECOND PERIODIC ASSESSMENT										





	Chapter 12	use of fertilizers and manures;	Constructivist	Sketch,	Content,	Comparison	
	Improvement in	protection from pests and	,Reflective	Home	neatness,	Charts on	
	food resources	diseases; organic farming		assignment	completion,	crops variety	
	(Bio)				time	grown in	
					management	Nagaland	
						and Manipur	
	Chapter 11–	Sound, production and	Constructivist	Classroom		Group built a	
	Sound	propagation of sound waves-	Inquiry	discussion,	7 7	simple	
	(Phy)	Electromagnetic and	based	activities,		instrument to	
		mechanical, transverse and		Problem		explain pitch	
		longitudinal, characteristics of		based		frequency and	
		sound waves, speed of sound		learning		amplitude	
~		in different media, reflection of					
) EI		sound, echo, reverberation,					
ME		Range of hearing, ultra sound					
DECEMBER		and its applications					
DE	Chapter 4 -	Different atomic species viz,	Constructivist	Problem-	Relevance		Make a
	Structure of the	isotopes, isobars and	, Inquiry	based	Approach		presentation
	Atom	problems related to them	based	learning	Accuracy		on journey of
	(continue) (Chem)			Worksheet	Content,		any one
				Pen and	neatness,		scientist who
				Paper test	completion, time		gave atomic
					management		model's
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CLASSX

MONTH	CHAPTER	EXPECTED LEARNING OUTCOMES	PEDAGOGICAL APPROACH (TEACHING METHODS/ STRATEGIES)	ASSESSMENT TOOLS	RUBRICS	ART INTEGRATION	ICT INTEGRATION
	Chapter 5: Life Processes(Bio)	Nutrition, Modes of Nutrition, Nutrition in plants and human being Respiration in plants and animals	Constructivist, Reflective, Inquiry-based, Integrative	Classroom discussion, question- answer session, Individual test, home assignments Class test Lab activity	Content, neatness, completion, time management sequence, creativity, presentation	3D chart or models on Human heart, Digestive system, Nervous system, and Respiratory system	Modules on life processes (Nutrition, Respiration)
APRIL	Chapter9:Light– Reflection and Refraction (Phy)	Propagation of light, reflection, laws of reflection, image formation by spherical mirrors, uses of mirrors. Mirror formula and magnification, sign convention, solving numerical based on mirror formula, Refraction, Laws of refraction, refractive index	Constructivist Reflective integrative Inquiry based	Experiment, ray diagram, classroom discussions, home assignment,	Concept Neatness Accuracy Completion	Ray diagram	Module (Image formation by spherical mirrors)
	Chapter1: Chemical Reactions and Equations (Chem)	Chemical reactions and its identification, Chemical equations and their balancing, all types of chemical reactions and their examples.	Think-Pair-Share Constructivist Inquiry based Demonstration Experimentation	Entry and exit questions Choral response Class test Lab activity	Relevance Accuracy Imagination Concept Promptness Discipline	Chart of elements and ions along with their valency/charge Reactivity series of metals	Module (Types of Chemical Reactions)





	Chapter 5: Life Processes (continue) (Bio)	Transportation in plants and human being, Excretion in plants and human beings	Constructivist, Integrative Approach Reflective approach	Classroom discussion, Sketch Lab activity Assignment	Content, neatness, completion, time management		Modules on life processes (Transportation, Excretion)
	Chapter 9: Light – Reflection and Refraction (Phy)	Spherical lenses, image formation by lenses, sign convention, lens formula, power of lens	Constructivist Reflective integrative Inquiry based	Experiment, ray diagram, classroom discussion	Concept procedure Neatness Accuracy Completion	Ray diagram	Animated Video on Refraction
JULY	Chapter 2: Acids, Bases and Salts (Chem)	Acids and Bases: definitions, identification using indicators, chemical properties, examples and uses, neutralization, concept of pH scale, importance in everyday life, Preparation and uses of Sodium Hydroxide, bleaching powder, baking soda, Washing soda and Plaster of Paris	Constructivist Inquiry-based Demonstration Experimentation	Brainstorm Activity Class test	Relevance, Coordination Time Management	Chart on different types of indicators	Phet simulation (Acid–Base solutions) Animated Video





		FIRST PERIODIC ASSESSMENT										
JST	Chapter 6: Control and Coordination (Bio)	Control and coordination in animals: Nervous system; Voluntary, involuntary reflex action; Tropic movements in plants; Introduction of plant hormones, Chemical coordination (animal hormones)	Constructivist Inquiry based	Classroom discussion, Sketch, flowcharts	Content, neatness, completion, time management	3D Model of human brain	Animated Video					
AUGUST	Chapter 10:The Human Eye and the Colorful World (continue) (Phy)	Refraction of light through a prism, Dispersion, and rainbow formation	Constructive Reflective Integrative Inquiry based	Ray diagram, Demonstration refraction, total internal reflection	Concept Neatness Accuracy Completion	Structure of the eye						
	Chapter 3: Metals and Non- Metals (Chem)	Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds	Constructivist Reflective	Entry and exit questions, Worksheet	Relevance Accuracy Imagination Completion Time Management	Reactivity series	Animated Video					
SEPTEMBER	Chapter 7: How Do organisms Reproduce? (Bio)	Asexual and Sexual reproduction in plants and animals, reproductive health need and methods of family planning, Safe sex vs HIV/AIDS, Child bearing and women's health.	Inquiry based	Classroom Discussion, Question answer session, assignment Lab activity	Content, neatness, completion, time management,	Diagrams of Modes of sexual reproduction	Animated Video					





	Chapter 10:The Human Eye and the Colorful World (continue) (Phy)	scattering of light	Constructive Reflective Integrative Inquiry based	Demonstration scattering, assignment.	Concept Neatness Completion	Diagrams	Animated Video
	Chapter 11: Electricity (Phy)	Electric current, potential and potential difference, electric circuit, Ohm's law	Constructivist Collaborative	Circuit diagrams, home assignment	Relevance, Leadership skills, Coordination Time Management	Paper circuit (Series & Parallel combination)	Module (Ohm's Law)
	Chapter 3: Metals and non- metals (continue) (Chem)	Basic metallurgical processes; Corrosion and its prevention	Constructivist Reflective	Entry and exit questions, Worksheet Class test	Relevance Accuracy, Imagination Completion Time, Management	the steps of extraction of metals	Module (extraction of metals)
			MID TE	RM EXAMINATIO	N		
OCTOBER	Heredity(Bio)	Heredity, contribution, Mendel's Laws of inheritance of traits, sex determination	Constructivist Inquiry-based Integrative	Classroom discussion, Pair work, Problem- based learning, learning across curriculum, assignment	Content, neatness, completion, time management, Approach, sequence, presentation	Chart on Mendel's law	Animated Video
.50		Ohm's, Resistance, resistivity, affecting resistance, series And parallel combination, Joules lawof heating, electric power, Interrelation between P,V, I and R	Constructive Reflective, integrative Inquiry based	Circuit diagrams, experiment	Concept procedure Neatness Accuracy Completion		





	Chapter 12: Magnetic Effects of Electric Current (Phy)	Oersted's experiment, magnetic field, magnetic field lines and their properties, right hand Thumb rule	Constructive Reflective integrative, Inquiry based	Circuit diagrams, activity, and notes	Concept Neatness Completion		Animated Video
	Chapter 4: Carbon and its compounds (Chem)	Covalent bonding, versatile nature of carbon, saturated and Unsaturated hydrocarbons, homologous series, Nomenclature of carbon compounds	Constructive Reflective, Integrative Inquiry based	Worksheet	Concept Neatness Accuracy Time Management	Covalent bonds formation	Module (Carbon compounds)
NOVEMBER	Chapter13: Our Environment (Bio)	Eco-system, Food chain, food-web, trophic levels, 10% law, biological magnification, environmental problems, ozone depletion, waste production and their solutions, biodegradable and non-Biodegradable substances	Constructivist, concept map, inquiry based	Class discussion, , Problem based learning, worksheet,	Content, neatness, completion, time management	Draw a flow chart of food chain and food web	Animated Video
ON	Chapter 12: Magnetic Effects of Electric Current (continue) (Phy)	Magnetic field due to- straight current carrying conductor, circular loop, a solenoid, force acting on a conductor placed in magnetic field, Fleming's left-hand rule, Domestic electric circuit	Constructive Reflective integrative Inquiry based	Circuit diagrams, Classroom discussion	Concept Neatness Accuracy Completion		





	Chapter 4: Carbon and its compounds (Continue) (Chem)	Chemical properties of carbon compounds , Ethanol and ethanoic acid, soaps and detergents	Constructivist Inquiry-based Experimentation Collaborative Reflective	Question Answer Session Class test Lab activity	Promptness Concept Neatness Completion Time Management	Chart (functional group)	Module (Soaps and detergents)			
MBER	PRE BOARD I EXAMINATION									
DECEMBER		REVISION								
N 25	PRE BOARD II EXAMINATION									
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MAR 25	ANNUAL EXAMINATION									

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