

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VIII

Subject - Physics (Session 2020-21)

Month	No. of W.Days	Chapter Name	Activity
April+May+June	$10 + 23 + 10 = 43$	1. Force 2. Friction 3. Circular Motion	1. To show the effects of force. 2. To show that liquid pressure varies with depth. 3. To show the presence of atmospheric pressure.
Periodic Test - 1			
July	22	4. Work and Energy	1. To understand the concept of potential energy.
August+Sept	$20 + 25 = 45$	5. Light 6. Chemical Effect of Electric Current	1. To observe the nature of image formed by a plane mirror. 2. To observe the phenomenon of dispersion with the help of a prism. 3. To test the conductivity of different liquids. 4. To show the process of electrolysis.
Half Yearly Exam			
Oct+Nov	$22 + 18 = 40$	6. Some natural Phenomena 7. Unit and Dimension 8. Gravitation	1. To show charging of a body by friction. 2. Determine the density of solids. 3. Establishing the relation between the loss in weight of solid.
Periodic Test - 2			
Dec	$23 - 6 = 17$	9. Universe	1. To understand why the pole star appears stationary.
Jan	22	10. Sound Revision and Tests	1. To verify the laws of reflection of sound. 2. Determine the speed of a pulse propagated through a stretched string/slinky
Feb	21	Revision all chapters	
March	Annual Exam		

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Class : VIII

Subject - Chemistry (Session 2020-21)

Month	No. of W.Days	Name of the Chapter/Topics	Activity
April	10	Synthetic fibres and plastics	Testing various materials for action of water, reaction on heating, effect of flame, tensile strength
May+Jun	23+10	Coal and Petroleum	To study the products obtained by destruction distillation of coal.
Periodic Test - 1			
July+Aug	22+20	Materials: Metals and Non-metals	Experiments involving reactions with acids and bases.
Half Yearly Exam			
Sept + Oct + Nov	25+22+18	Combustion and Flame	Experiments with candles
Periodic Test - 2			
Dec + Jan + Feb	23+22+21	Pollution of air and water	Survey for pollution check at different times and different location, Discussion on environment concerns
Annual Exam			

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Class : VIII

Subject - Mathematics (Session 2020-21)

Month	No. of W. Days	Month	No. of Days	Chapter Name	Activity	
April	10	April	9	Rational Numbers	1. Activity on Rational Numbers 2. Activity on Squares & Square Roots 3. Activity on Cubes & Cube Roots 4. Activity on Comparing Quantities 5. Activity on Playing with Numbers	
		April + May	5	Squares & Square Roots		
May	23	May	5	Cubes and Cube Roots		
		May	8	Exponents		
June	10	May	8	Playing with Numbers		
		May + June	6	Complex Numbers		
July	22	June + July	12	Comparing quantities		
		July	6	Revision		
Periodic Test - 1						
August	20	August	6	Algebraic expression and Identities		1. Activity on Algebraic Expressions and Identities 2. Activity on Linear Equation in one Variable 3. Activity on Polynomials
		August	5	Linear Equation in One Variable		
		August	5	Pair of linear equation in two variables		
		August	4	Determinants		
Sept	25	September	6	Linear Inequation in two variables		
		September	5	Polynomials		
		September	4	Heights and Distances		
		September	3	Revision		
Half Yearly Exam						
Oct	22	October	4	Measurement of Angles	1. Activity on Quadrilaterals 2. Activity on Areas of Parallelograms & Triangles 3. Activity on measures of Central Tendency (Grouped) 4. Activity on Data Handling	
		October	7	Binomial theorem		
		October	8	Permutations and Combinations		
Nov	18	Oct + Nov	8	Quadrilaterals		
		November	8	Areas of parallelograms & Triangles		
Dec	23	Nov + Dec	9	Measures of central tendency (Grouped)		
		December	7	Data Handling		
		December	6	Revision		
Periodic Test - 2						
Jan	22	January	10	Mensuration	1. Activity on Mensuration 2. Activity on Direct & Inverse Proportions 3. Activity on Introduction to Graphs	
		January	5	Areas of parallelograms and Triangles		
		January	5	Direct and Inverse proportions		
Feb	21	Jan + Feb	3	Introduction to graphs		
		February	5	DSA Coordinate System		
		February	5	Equations of Straight line		
		February	4	Functions		
Mar	10	Feb + March	7	Revision		
Annual Exam						

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Class : VIII

Subject - Biology (Session 2020-21)

Month	No. of W.Days	Chapter/Topics	Activity
April	10	1. Crop production and management : Agricultural practices, Rabi crop, Kharif crop, Preparation of soil, sowing, adding manure and fertilizer, irrigation, protection from weeds, storage,	Field trip, visit to school garden and crop field
May	23	2. Microorganisms friend and foe : Microorganism, Where do microorganisms live?, Useful and harmful microorganisms, Food poisoning, Food preservation, Nitrogen fixation and nitrogen cycle	To study the microorganisms present in pond water
June	10	3. Improvement in food resources : Nutrients Management, Use of fertilizer and manure, Irrigation, crop patterns, crop protection and storage, Organic farming, Animal husbandry,	Visit of dairy farm
Periodic Test - 1			
July	22	4. Cell structure and functions(revision)	
		Conservation of plant and Animals	
		Deforestation and its cause	Make a list of deforestation
		Consequences of deforestation	Make a list which show harm of animals due to deforestation
		Conservation of forest and wild life	Make a list of flora and funa of your
		Century, National park, biosphere reserve flora and funa, red detabook, migration etc.	
Aug	20	5. Cell the fundamental unit of life : Structural organisation, Study of different cell organelles and their functions	Study of different permanent slide and chart related to cells
Sept	25	6. Tissue (Animal and Plant) : Plant tissues, Meristematic, simple, complex, permanent, Animal tissue, Epithelial, connective, muscular, nervous tissue	Observation of permanent slide
Half Yearly Exam			
Oct	22	7. Life process : Nutrition, Respiration, Transportation, Excretion	Study through different chart
Nov	18	8. Why do we fall ill? : Health and its failure, Disease and its causes, Acute and chronic disease	To show the different type of chart related with disease
		Reproduction in Animals	
		Modes of reproduction	Visit of a pond in rainy season to see the clusters of frog's eggs floating in water.
		Male and Female reproductive organs	
		Fertilization	Try to collect egg of frog, lizard, butterfly hen, crow or any other birds.
		Test tube babies	
		Internal and External Fertilization	
		Development of embryo, viviparous and obiparous	
		Binary fission, metamorphosis	
Budding			
Periodic Test - 2			

Dec	23	10. Natural resources : Resources on earth, Movement of air and water, Forest, soil etc	Visit of pond, lake, forest
		Reaching the age of Adolescence	
		Puberty	Make a chart of height according to age.
		Change at puberty	
		Change in body shape, voice change, development of glands, development of sex organs, secondary sexual character	Draw a graph wick show percentage of height with age.
		role of hormones, sex determination, reproductive health	Make a note on iodised salt.
Jan	22	11. Management of natural resources : Development and conservation of environment, wild life, deforestation, Conservation of wildlife, Management of river water and rain water,	Visits of zoo, forest and other places
Feb	21	12. Our environment : Biotic and abiotic component, Food chain, pyramid, biological magnification , Management of garbage etc	Preparation of different types of chart related with our environment
March	Annual Exam		

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Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VIII

Subject - Hindi (Session 2020-21)

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अप्रैल	10	1. ध्वनि (कविता) 2. लाख की चूड़ियाँ	1. भाषा, बोली, लिपि और व्याकरण		1. भारत सरकार द्वारा लघु, धरेलु व कुटीर उद्योगों के विकास के लिए किये जा रहे प्रयासों संबंधित सचित्र जानकारी का संग्रह
मई	23	3. बस की यात्रा 4. दीवानों की हस्ती 5. चिट्ठियों की अनूठी दुनिया (निबंध)	2. वर्ण-विचार 3. संधि 3. शब्द-विचार	अहमद नगर का किला	2. ध्वनि प्रदूषण पर भाषण, लेखन प्रतियोगिता का आयोजन
जून	10	6. भगवान के डाकिए (कविता)	5. अनेकार्थक शब्द 41. पत्र-लेखन		3. प्रत्येक छात्रों द्वारा अपनी इच्छाओं की सूची बनाना।
Periodic Test - 1					
जुलाई	22	7. क्या निराश हुआ जाए (निबंध) 8. यह सबसे कठिन समय नहीं (कविता)	6. पर्यायवाची शब्द 7. विपरीतार्थक शब्द 8. श्रुतिसम भिन्नार्थक शब्द	2. तलाश	4. विद्यार्थियों से स्व मूल्यांकन करवाना तथा उनसे अपनी पाँच कमजोरियों एवं विशेषताओं की सूची बनाना।
अगस्त	20	9. कबीर की सांखियाँ	9. अनेक शब्दों के लिए एक शब्द 10. एकार्थी प्रतीत होने वाले शब्द		5. छात्रों द्वारा भारत की युवा जनसंख्या व वृद्ध जनसंख्या के आँकड़ों को संग्रहित करना।
सितंबर	25	10. कामचोर	11. उपसर्ग 12. प्रत्यय 13. समास 14. सज्ञा 15. अनुच्छेद - लेखन	3. सिंधु घाटी सभ्यता	6. संग्रहित आँकड़ों की सहायता से वृद्धों की स्थिति का आकलन करवाना व प्राप्त तथ्यों पर लेखन।

Half Yearly Exam					
अक्टूबर	22	11. जब सिनेमा ने बोलना सीखा	15. लिंग	4. युगों का दौर	7. दैनिक जीवन में सिनेमा का महत्व विषय पर लेख। 8. मित्रता से संबंधित दोहो एवं कविताओं का संचय करिये।
		12. सुदामा चरित (कविता)	16. वचन		
			17. कारक		
			34. संवाद-लेखन		
नवंबर	18	13. जहाँ पहिया है	18. सर्वनाम	नयी समस्याएँ	9. स्त्री स्वतंत्रता पर एक मौलिक लेख लिखिए।
		14. अकबरी लोटा	19. विशेषण		
			20. क्रिया		
			36. सूचना-लेखन		
Periodic Test - 2					
दिसंबर	23	15. सूर के पद	21. काल	अंतिम दौर एक, दो	10. छात्रों द्वारा अपने घर और कक्षा की किसी वस्तु के बारे में कहानियाँ।
		16. पानी की कहानी	22. वाच्य		
			23. अव्यय		
			37. विज्ञापन लेखन		
जनवरी	22	17. बाज और साँप	24. पद - परिचय	तनाव दो पृष्ठ भूमियाँ भारतीय और अंग्रेजी	11. स्वतंत्रता की प्रेरणा से संबंधित कविता
		18. टोपी	25. पदबंध		
			26. वाक्य विचार		
			38. प्रतिवेदन		
फरवरी	21	पुनरावृत्ति	27. वर्तनी एवं वाक्य रचना की सामान्य अशुद्धियाँ	पुनरावृत्ति	12. क्षेत्रीय तथा गाँव की बोली में उपयोग होने वाले कुछ अलग शब्द की सूची तैयार कर उनका मूल रूप लिखना
			28. विराम चिह्न		
			29. मुहावरे		
			30. अलंकार		
			31. निबंध लेखन		
Annual Exam					

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Class : VIII

Subject - English (Session 2020-21)

Month	No. of W.Days	Literature	Grammar	Activity
April	10	1. The Shoemaker	Chapter - 1	1. Letter writing (Formal) 2. Leave Application
May	23	2. Pride and Prejudice 3. Ode to Autumn	Chapter - 2, 3	3. Report writing
June	10	4. The Final Victory	Chapter - 4	
Periodic Test - 1				
July	22	5. A Musical Instrument 6. The Twisted Trial	Chapter - 5, 6, 7, 15	4. Story writing
August	20	7. The Charge of the Light Brigade	Chapter - 8, 9, 16	5. Notice writing
Half Yearly Exam				
Sept	25	8. A Cry Against Exploitation 9. Apostrophe to the Ocean	Chapter - 10, 11, 26, 27	6. Letter writing (Informal)
Oct	22	10. The Black Spot 11. Gravity	Chapter - 12, 13, 14	
Nov	18	12. Media : Then and Now 13. The Heart of the Tree	Chapter - 17, 18, 19	7. Diary entry
Periodic Test - 2				
Dec	23	14. The Eyes Have It 15. The Tempest	Chapter - 20, 21, 22	
Jan	22		Chapter - 23, 24, 25	8. Essay writing
Feb	21	Revision		
March	Annual Exam			

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Class : VIII

Subject - Social Science (Session 2020-21)

Month	No. of W.Days	Subject	Chapters/Topics	Activity
April	10	Geography	Resources and Human Resources : Resources, Types, Origin, Importance, Conservation, Human Resources, Distribution of Population, Density of Population, Population change, Population composition	Prepare a flowchart showing types of resources. Make a diagram showing world's most populated countries. Test
May	23	History	From Trade to Territory : East India Company begins trade in Bengal, Battle of Plassey, Buxar, Subsidiary Alliance, Doctrine of Lapse, Claim to Paramountcy	Make maps to show gradual expansion of British territory in India. Test
		History	Ruling the Country Side : Revenue for the company, Crops grown for Europe, Indigo on the lands of Ryots, Champaran movement.	Make a flow chart on settlement important in different parts of India to collect revenue. Test
		Civics	The Indian Constitution : The need for a Constitution, Features of the Indian Constitution, Fundamental Rights, Directive Principles, Duties	Make notes on key features of our constitution. Make flow chart on Fundamental Rights with Articles.
June	10	Revision	History, Civics & Geography	
Periodic Test - 1				
July	22-6 Total + 16	History	When People Rebel : Policies and People, Nawabs lose their power, The peasants and the sepoys, Responses of reforms, A mutiny Becomes a Popular Rebellion, From Merrut to Delhi, The rebellion spreads, The company fights back, Aftermath	Make a note on heroes of Rebellion 1857, Nana Saheb, Vir Kunwar Singh, Tantia Tope, Mangal Pandey, Bahadur Shah Zafar, Rani Laxmi Bai. Test
		Civics	Understanding Secularism : Meaning of secularism, Need of secularism, Indian secularism, Similarities and dissimilarities of Indian secularism with other democratic countries.	Group Discussion on the topic "Secularism is essential for a democratic country." Make a list of 10 secular and 10 non-secular countries.
		Civics	Understanding Secularism (conti...)	

August	20	Geography	Land, Soil, Water, Natural Vegetation and Wildlife : Land resources, Land use, Land degradation and, Conservation, Soil, Soil formation, Degradation & conservation, Water availability, Water cycle & conversation, Significance of Plants and wildlife, Natural vegetation and its types	Prepare a detailed note on methods of soil conservation. Collect pics of different types of soil found in India. Prepare a chart on different kind of medicinal plants. Make a list of endangered, extimeted & vulnerable animals.
Half Yearly Exam				
Aug + Sept	25-7 = 18	Civics	Understanding Law : Judiciary, Do Laws apply to all, Constroversial laws, Role of Judiciary, Structure of courts in India, PIL, Branches of the Legal System, Criminal law, Civil Law	Draw a pyramid to show the structure of our judicial system.
Sept	18	Geography	Mineral Resources : Minerals & its features, Types of minerals, Extraction of minerals, Distribution and conservation of minerals	Make a list of metallic & non metallic minerals. Make a list of ferrous and non ferrous minerals.
		Revision	History, Civics & Geography	
		Geography	Power Resources : Meaning and importance, Types of power resources, Conversation power, Non-conventional power resources, Conservation	On an outline map of the world, show the distribution of conventional and non conventional power resources.
		History	The Making of National Movement : The Emergence of Nationalism, Economic Exploitation, Political causes, Religious and cultural awakening, Spread of Immediate Factors, The Formation of Political Organisation	

Oct + Nov	22 + 18	History	The Participation of Bengal, The Swadeshi Movement, The Formation of the Muslim League, The Surat split, Freedom is my birthright, Impact of First World War, The Govt. of India Act 1919. The advent of M.Gandhi, Rowlatt Act, Jalianwala Bagh Massacre, Second phase of the Revolutionary Movement, Non-cooperation movement, The Simon Commission, The Lahore Session of the Congress, The Civil Disobedience Movement, THE March to Dandi, THE Poona Pact, The Second World War, The Cripps Mission, The Quit India Movement, Neta ji Subhash Chandra Bose and the INA, THE Cabinet Mission, Direct Action Day, Formation of the Interim Government	Find out the role of people of your state in National Movement. Write a report on them. Test - 1 Test - 2 Test - 3
		Civics	Understanding Our Criminal Justice System : First Information Report, Fair Trail, Role of Police, Defence Lawyer, Public Prosecutor, Role of Judge	Paste the pictures of the courts in India. Write a story of 'Justice delayed is justice denied'. Test
Periodic Test - 2				
Dec	23-6 = 17	Geography	Agriculture (Primes Activity) : Factors affecting the agricultural Activities, Form system, Types of Agriculture, Major Crops, Development of Agriculture, Organic farming	Make a flow chart on Rabi crops, Kharif crops, Beverage crops, cash crops, under plantation. Test
		Geography	Industries : Secondary activities, Industries and their classification, Factors affecting the location of Industries, Industrial Regions	Locate from steel industry, Textile industries, sunrise industries in political map of India.
		Civics	Electoral Politics : System of Election in India, Universal Adult Franchise, Election Commission	Make a list of countries of the world who gave voting rights to all citizens year wise.

Jan	22	History	India After Independence : Challenges before the country, The Framing of the Indian constitution, The Linguistic Reorganisation of states, India's Foreign policy, SAARC, NAM, India After Sixty years	Write a note on SAARC and NAM. Make the list of all states of the Indian union today and identify the predominant language spoken in each states.
		History	French Revolution : Estate general of 1789, Causes of Revolution, Political Thinkers, Napoleon : Rise & Fall	Write a note on the contribution of French Revolution on the World
Feb + March	21 + 10 31-9 = 22	Geography	Population : Distribution of population, Density of population, Factors affecting population change, Patterns of population change	Groups discussion on population growth and government policies
		Civics	Democratic Rights	Make a flow chart of Rights given by different countries in the world to their citizens.
		Revision		
March	Annual Exam			

Academic Global School

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Class : VIII

Subject - Computer Science (Session 2020-21)

Month	No. of W.Days	Chapter Name	Periods Required	
			Theory	Practical
April	10	Chap - 1	1	-----
May	23	Chap - 1 & Chap - 2	5	3
June	10	Chap - 2	-----	1
Periodic Test - 1				
July	22	Chap - 3 (50%), Revision & Test	3	-----
Aug	20	Chap - 3 & Chap - 4	-----	-----
Half Yearly Exam				
Sept	25	Chap - 4 Revision & Exam	1	5
Oct	22	Chap - 5	1	7
Nov	18	Chap - 6	1	5
Periodic Test - 2				
Dec	23	Ch - 6, Ch 7 & Revision & Test	3	5
Jan	22	Chap - 8 & Chap - 9	6	2
Feb	21	Chap - 10	7	1
Mar	10	Revision & Exam	1	-----
Annual Exam				

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VIII

Subject - Reasoning (Session 2020-21)

Month	No. of W.Days	Chapter Name
April	10	1. Which one is different
May	23	2. Analogy
June	10	
Periodic Test - 1		
July	22	3. What comes next?
August	20	4. Direction Sense
Half Yearly Exam		
Sept	25	5. Mathematical Reasoning
Oct	22	6. Paper cutting
Nov	18	7. Mirror image
Periodic Test - 2		
Dec	23	8. Cubes in dice
Jan	22	9. Analytical reasoning
Feb	21	Revision and Practice
March	Annual Exam	

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VIII

Subject - G.K. (Session 2020-21)

Month	No. of W.Days	Chapter no. and name	Month	No. of W.Days	Chapter no. and name
April	10	1. Architectural Marvels 2. Source of Inspiration 3. Major Sports Awards in India Quiz 4. Indian Space	Periodic Test - 2		
May	23	5. Param Vir Chakra Stories 6. Indian Dancer 7. Deserts 8. Cyber Crime and Security 9. Health is Wealth 10. Understanding the Banking 11. Golden Words	Dec	23	40. Business Leaders of the World 41. Asian Games 2018 42. Incredible India 43. Indian Authors 44. Make your Language More Vibrant 45. Indian Handicrafts
June	10	12. Animals in Danger 13. Energy Conservation 14. Igniting Souls 15. The most Unpopulor Rulers	Jan	22	46. Inventions of the 21st century 47. Awards and Honours 2019 48. Brain Teasers 49. Fragic Ends 50. Retracing the space Journey 51. Heritage Quiz
Periodic Test - 1			Feb	21	52. The 'Archy' Words 53. Lingua Fun 54. Net Savvy 55. Life Skill : Positive Thinking 56. Aptitude Test 57. Vegilance Awareness
July	22	16. The Seat of Power : Parliaments of the World 17. Amazing Anims 18. Eight Jewels of Solar System 19. Seven Wonders of the World 20. Stars of Indian Cinema	March	10	58. Types of Insurance Policies Model Test Paper - 2
August	20	21. A Family Affair 22. Women Scientists 23. Amazing Plants 24. The Green Brigade 25. Geographical Factopendia	Annual Exam		
Sept	25	26. Nobel Laureates 27. Turning Disability to Ability 28. World Record Holders 29. Holy Places Model Test Paper - 1			
Half Yearly Exam					
Oct	22	30. 'Olatry' Words and Inoms 31. Sparkling stars of Olympics 32. Indian Sportspersons 33. Medical Specialists 34. Life Skills : Goal Setting 35. New Species Discovered			
Nov	18	36. Know more about the Armed Forces 37. Fragic Accidents 38. People in News 39. Nature Cure			