

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

Subject - Physics (Session 2020-21)

Month	No. of W.Days	Chapter/Topics	Activity
April + May + June	10 + 23 + 10 = 43	1 - MOTION-REVISION : Describing Motion, Motion Along a Straight Line, Uniform Motion and Non-Uniform Motion, Measuring the Rate of Motion, Speed with Direction, Rate of Change of Velocity, Graphical Representation of Motion, Distance –Time Graphs, Velocity-Time Graphs. Equations of Motion by Graphical Method, Equation for Velocity-Time Relation, Equation for Position-Time Relation, Equation for Position-velocity Relation, Uniform Circular Motion.	To show oscillation of a simple pendulum.
		2 - MOTION - EXTRA: Describing Motion, Motion Along a Straight Line, Uniform Motion and Non-Uniform Motion, Measuring the Rate of Motion, Speed with Direction, Rate of Change of Velocity, Graphical Representation of Motion, Distance –Time Graphs, Velocity-Time Graphs. Equations of Motion by Graphical Method, Equation for Velocity-Time Relation, Equation for Position-Time Relation, Equation for Position-velocity Relation, Uniform Circular Motion.	To check measurement of length.
Periodic Test - 1			
July + Aug + Sept	22 + 20 + 25 = 67	1 - FORCE AND LAWS OF MOTION - EXTRA : Introduction of Force, , Force can change the state of motion, Force can change the shape of an object, Contact Forces, Muscular Force, Friction, Non-Contact Forces, Magnetic Force, Electrostatic Force, Gravitational Force.	
		FRICITION : Friction: Force of Friction, Factors affecting Friction, Increasing and Reducing Friction, Wheels Reduce Friction, Rolling Friction and Sliding Friction, Fluid Friction,	
		2 - PRESSURE: Pressure, Pressure Exerted by Liquids and Gases, Atmospheric Pressure, Earthquakes.	Blowing between the balloons.

		<p>3 - HEAT : Heat (Concept of heat and temperature), Effects of heat, Heat causes expansion, Hot and cold, Temperature, Thermometer, Different Scales of temperature, Transfer of Heat, Conduction, Convection and Radiation, Conductors and Insulators Applications of Transfer of heat. Types of clothes we wear in summer and winter.</p>	<p>To show conduction or convection. To show clinical and laboratory thermometer.</p>
Half Yearly Exam			
Oct + Nov + Dec	22 + 18 + 23 = 63	<p>1 - ELECTRICITY-REVISION : Electric Circuit, symbols for elements of circuit, Heating effect of current, Principle of fuse, magnetic effect of current, Working of electric bell.</p>	
		<p>ELECTRICITY-EXTRA- : Do Liquids Conduct Electricity, Chemical Effects of Electric Current, Electroplating, Lightning, Charging by Rubbing, Types of Charges and Their Interaction, Transfer of Charge, Lightning Safety, Do's and Don'ts during a Thunderstorm, Lightning Conductors.</p>	<p>Making a simple electromagnet. Working of electric bell.</p>
		<p>2 - UNIVERSE : Stars and the Solar System, The Moon, Different Phases of the moon, The Moon's Surface, The Stars, Constellations, The Solar System, The Sun, The Planets, Mercury, Venus, The Earth, Mars, Jupiter, Saturn, Uranus and Neptune, Some other Members of the Solar System, Asteroids, Comets, Meteors and Meteorites, Artificial Satellites,</p>	
Periodic Test - 2			
		<p>1 - LIGHT- REVISION : Rectilinear propagation of light, Reflection, certain surfaces reflect light, Real and virtual images, Newton's colour disc.</p>	

<p>Jan + Feb + Mar</p>	<p>22 + 21 + 10 = 53</p>	<p>LIGHT - EXTRA : Laws of Reflection, Regular and Diffused Reflection, Reflected Light can be Reflected Again, Multiple Images, Kaleidoscope, Sunlight-White or Coloured, Human Eyes. Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification. Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens. Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses. Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life.</p>	
		<p>2 - WINDS, STORMS AND CYCLONES : Air is all around, air exerts pressure, Atmosphere, Atmospheric pressure, high speed winds are accompanied by reduced air pressure, and movement of air, Air expands on heating, wind currents are generated due to uneven heating on the earth, Thunderstorm and cyclones. Destruction caused by cyclones, Effective safety measure.</p>	
<p>Annual Exam</p>			

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

Subject - Chemistry (Session 2020-21)

Month	No. of W.Days	Chapter	Activity
April	10	Fibre to fabric	Collection of different samples of woollen and silk cloth
May+Jun	23+10	Acid bases and salts	Testing solutions of common substances with turmeric, litmus, china rose.
Periodic Test - 1			
July+Aug	22+20	Physical and Chemical changes	Rusting of iron, Burning of Mg ribbon, displacement of Cu from CuSO ₄ solution
Half Yearly			
Sept + Oct + Nov	25+22+18	Water: A precious resource	Case study of people living in conditions of extreme scarcity of water, how they use water in a judicious way.
Periodic Test - 2			
Dec + Jan + Feb	18+23+22	Waste water story	Tracing the route of sewage in your building and trying to understand whether there are any problems in sewage disposal
Annual Exam			

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

Subject - Mathematics (Session 2020-21)

Month	No. of W.Days	Required Days	Chapter Name	Activity
April	10	6	Integers	Activity on Number System Activity on Exponents
April + May	10+23	8	Fractions & Decimals	
May	23	9	Rational Numbers	
		10	Real Numbers	
June + July	10+22	13	Exponents & Redicals	
July	22	12	Logrithm	
Periodic Test - 1				
July + August	22+20	10	Lineara Equation in One Variable	Activity on Algerba Activity on Angle and Traignle
August	20	12	Lineara Inequation in One Variable	
September	25	12	Algebraic Exppression	
		6	Lines & Angles	
October	22	6	Triangles	
		6	Congruent Triangles	
Periodic Test - 2				
October	22	6	Measure of central tendency	Activity on Mensuration
October + Nov	22+18	10	Volume & Surface Area	
November	18	8	Perimeter & Area	
Nov + Dec	18+23	10	Comparing Quantity	
Half Yearly Exam				
Dec	23	6	Coordinate System	Activity on Trigonometry
		5	Introduction to Trigonometry	
Jan	22	10	Sets	
Jan		6	Relation	
Jan		6	Mathematicla Reasoning	
Feb	21	21	Revision	
Annual Exam				

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

Subject - Biology (Session 2020-21)

Month	No. of W.Days	Chapter/Topics	Activity
April	10	1. Nutrition in plants : Mode of nutrition in plant, Photosynthesis, How nutrients are replenished in the soil	To observe the stomata in leaf peel
May	23	2. Cell structure and functions : Discovery of the cell, Definition of the cell, Instruments for studying cells, Shape and size of the cells, Cell structure and functions Part of the cells, cell wall, cell membrane etc., Difference between plant cells and animal cell, Prokaryotic and eukaryotic cells	To study unicellular organisms from permanent slide (amoeba, paramecium). To study plant cells from onion peel
June	10	3. Nutrition in animals : Nutrition, digestion, food digestion in humans, Digestive part of body, Steps of digestion, Functions of different part of digestive system, Digestion in grass eating animals	Make a list of some animals and their food. Look in the mirror. Prepare the chart of human digestive system.
Periodic Test - 1			
July	22	4. Soil : Formation and composition of soil, Soil profile, Types of soil, Properties of soil, Moisture in soil, Absorption of water by soil, Soil and crop, Soil erosion	Collection of different type of soil observe texture and colour. Prepare a chart of soil profile.
Aug	20	5. Weather climate and adaptations of animals to climate : Climate, Factors determining climate, Climate and adaptation, Polar region, Tropical rain forest, Desert, Migration	Collection of weather report chart from news paper.
Sept	25	Revision	
Half Yearly Exam			
Oct	22	6. Respiration in organisms : Breathing, breathing under water, Aerobic respiration, Anaerobic respiration, Respiration and breathing in plant and animals, Rate of breathing	Draw a chart of human respiratory system. Count your breathing for a minute.
Nov	18	7. Transportation in animal and plants : Blood, blood vessels, heart, heart beat, Excretion in animals, Transport of substance in plants, Xylem and Phloem	Draw a chart of circulatory and excretory system in humans.

Dec	23	8. Reproduction in plants : Mode of reproduction in plants, Asexual reproduction in plants- budding, fragmentation, spore formation, vegetative propagation, Tissue Culture	Separate the reproductive part of the flower. To observe the scars of potato.
Jan	22	9. Forest- Our life line : What is forest, Habitat, forest products, Decomposer, Balance of oxygen and carbon dioxide on earth	Make a list of various things which you obtain from forest
Feb	21	10. Conservation of plant and animals : Deforestation and its cause, Harmful effect of deforestation, Conservation of forest and wildlife, National Parks, biosphere reserve, flora and fauna, red data book, migration etc.	Make a list of flora and fauna of your area
March	Annual Exam		

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

Subject - Hindi (Session 2020-21)

ekg	dk; l fnol	cl r	0; kdj .k	egkHkkj r	i fj ; kst uk dk; l
अप्रैल	10	1. हम पक्षी उन्मुक्त गगन के	1. भाषा, बोली, लिपि और व्याकरण		1. पक्षियों के पर्यावरणीय महत्व एक लेखन
		2. दादी माँ			
मई	23	3. हिमालय की बेटियाँ	2. वर्ण-विचार	देवव्रत, महाभारत कथा भीष्म प्रतिज्ञा	2. हिमालय से निकलने वाली नदियों की सूची बनाकर नदियों के महत्व पर प्रकाश डालिए।
		4. कठपुतली	3. संधि		
जून	10	5. मिठाई वाला	4. शब्द विचार	अंबा और भीष्म	3. स्त्री स्वतंत्रता पर एक लेख
			5. पत्र-लेखन		
Periodic Test - 1					
जुलाई	22	6. रक्त और हमारा शरीर	5. अनेकार्थक शब्द	विदूर, कुंती, भीम, कर्ण, द्रोणाचार्य	4. शरीर रचना का चित्र बनाकर रक्त संचार की प्रक्रिया लिखिए।
		7. पापा खो गए	6. पर्यायवाची शब्द		
			7. विलोम शब्द		
अगस्त	20	8. शाम-एक किसान	8. समश्रुत भिन्नार्थक शब्द	लाख का घर, पांडव की रक्षा, द्रोपदी स्वयंवर, इंद्रप्रस्थ, जरासंध	5. मनुष्य पशु, पक्षी इन तीनों में माँए अपने बच्चे का पूरा ध्यान रखती है। प्रकृति की इस देन पर लेख लिखिए।
		9. चिड़ियाँ की बच्ची	9. अनेक शब्दों के लिए एक शब्द		
सितंबर	25	10. अपूर्व अनुभव	10. एकार्थी प्रतीत हो वाले शब्द		6. मुहावरों और लोकोक्तियों की सूची बनाइये।
			11. उपसर्ग		
			12. प्रत्यय		
			13. समास		
			34. अनुच्छेद लेखन		
35. निबंध लेखन					
Half Yearly Exam					
अक्टूबर	22	11. रहीम के दोहे	14. संज्ञा	शकुनि का प्रवेश, चौसर का खेल व द्रोपदी की व्यथा	7. पाठ के अतिरिक्त रहीम के अन्य दोहों का संकलन करिये
		12. कंचा	15. लिंग		
		13. एक तिनका	16. वचन		

नवंबर	18	14. खान-पान की बदलती तस्वीर	17. कारक	धृतराष्ट्र की चिंता, भीम और हनुमान, प्रतिज्ञापूति	8. अपने घर के मेहमान के लिए पारंपरिक खाने की एक व्यंजन सूची बनाइये।
		15. नील कंठ	18. सर्वनाम		9. पक्षियों एवं जानवरों की सुरक्षा के विषय पर लेखन
		16. भोर और बरखा	19. विशेषण		
Periodic Test - 2					
दिसंबर	23	17. वीर कुँवर सिंह	20. क्रिया	विराट का भ्रम	हाँकी के कुछ भारतीय खिलाड़ियों की सूची बनाकर चित्र लगाइए
		18. संघर्ष के कारण मैं तुनक मिजाज हो गया	21. काल		
जनवरी	22	19. अनुमानित व्यय	23. अव्यय	युधिष्ठिर की वेदना	सूर्यकांत त्रिपाठी की ऐसी कविताओं की चार-चार पक्तियाँ लिखिए जो स्वतंत्रता के भाव वाली हो।
		20. विप्लव गायन	24. वाक्य		
फरवरी	21	वसंत-पुनरावृत्ति	26. विराम-चिह्न	पुनरावृत्ति	
			31. संवाद-लेखन		
			32. सूचना-लेखन		
			33. विज्ञापन-लेखन		
Annual Exam					

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

Subject - English (Session 2020-21)

Month	No. of W.Days	Literature	Grammar	Activity
April	10	1. Attila	Chapter - 1	1. Letter writing (Formal) 2. Leave Application
May	23	2. The Coromandel Fishers 3. Three Men in a Boat	Chapter - 2, 3	3. Report writing
June	10	4. The Conceited Python	Chapter - 4	
Periodic Test - 1				
July	22	5. Six and Out 6. The Remarkable Rocket	Chapter - 5, 6, 7, 15	4. Story writing
August	20	7. The Enchanted Shirt	Chapter - 8, 9, 16	5. Notice writing
Half Yearly Exam				
Sept	25	8. The Holy Panchayat 9. The Living Palette	Chapter - 10, 11	6. Letter writing (Informal)
Oct	22	10. Treehuggers 11. A Girl in the Himalayas	Chapter - 12, 13, 14	
Nov	18	12. My Computer Needs a Break 13. The Mysterious Affair at Styles	Chapter - 17, 18, 19	7. Diary entry
Periodic Test - 2				
Dec	23	14. Lines Written in Early Spring 15. Around the World in Eighty Days	Chapter - 20, 21, 22	
Jan	22		Chapter - 23, 24, 25	8. Essay writing
Feb	21	Revision		
March	Annual Exam			

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

Subject - Social Science (Session 2020-21)

Month	No. of W.Days	Subject	Chapters/Topics	Activity
April	10	Geography	Environment : The Natural Environment, The Lithosphere, The Hydrosphere, The Atmosphere, The Biosphere Ecosystem, Human Environment	Draw diagram of components of environment, Diagram of our environment and ecosystem.
April + May	23	History	The Delhi Sultanate : Rulers of Delhi from slave dynasty to Lodhis, A Closer look : Administration and consolidation under the Khaljis and Tughluqs	Make a timeline of the Delhi Sultanate and write about them. Maps showing Khaljis and Tughluqs expansion and control in India
		Civics	Role of the Government in the Health in India : Public and private health services, Kerala and costarica approach	WHO is an agency of UNO that is helping to eradicate Polio and Malaria. Find out more WHO and the role it plays for making the world a disease free place to live in.
		Revision	History, Civics & Geography	
May + June	10	Geography	Inside the Earth : Structure of the Earth Rocks	Draw a diagram of Interior of the Earth : Rock cycle.
Periodic Test - 1				
July	22-6 Total + 16	Geography	Inside the Earth (conti....) : Uses of rocks, Minerals, Rock cycle	Collect pictures of different temples made up of different rocks.
		History	The Mughal Empire : Who were the Mughals, Rulers of the Mughal Empire, Mansabdors, Jagirdars, A closer look : Akbar's Policies	Make a timeline of the Mughal Emperors and give brief discription about them.
July + August	20	Civics	How the State Government Work? : The State Legislation, Federal System, Process of Making Laws	Make a list of Unicameral and Bicameral States, How many Legislative seats are there in each state
		Geography	Our Changing Earth : Endogenic forces, Exogenic forces, Volcano, Earthquakes causes and effects, Work of Rivers, ICE, Work of waves & wind	Draw diagrams of volcanoes, Origin of an Earthquake, Feature made by river in a flood plain.
		History	Rulers, Buildings, Temple Construction in the early eleventh century	Collect some pics of world Heritage monuments of Mughals.
Half Yearly Exam				
Sept	25	History	Rulers and Buildings (conti.....)	
		History	Devotional Path to Divine : The Idea of supreme God, Bhakti in South India, Nath Panthis, Siddhis, Yogis	Map work : Major bhakti saints and the regions associated with them.
		Revision	History, Civics & Geography	
Oct	??	Geography	Natural Vegetation and Wildlife : Types of forests, Types of grassland, Hot, Cold deserts, Wildlife, Importance & conservation	Make a collage of rain forest, grassland and coniferous forests.

		History	Devotional Path to Divine (conti...)	
		History	18th Century Political Formation : The crisis of the empire, The later Mughal's, The old Mughal provinces	Collect images of Monuments made in that period in India
Nov	18	Civics	Parliamentary Government and Executive : Features of the Parliament, Rajya Sabha & Lokshabha, Powers of the President, Powers of the Prime Minister	Write a note on which is more powerful, the legislature or the Executive.
		Geography	Human Environment intersection : Tropical and subtropical regions, Amazon River Basin, Ganga Brahmaputra basin, Wildlife, Crops grown, People	Map work on Tropical and Sub tropical regions.
Periodic Test - 2				
Dec	23-6 = 17	History	From Trade to Territory : East India Company comes East, East India Company begins trade in Bengal, Trade led to Battles, The Battle of Plassey, Company Rule Expands, Mysore wars, Wars with Marathas, Administrative changes, Judicial changes	Make a list of Bengal Nawabs. Write a note on the Battle of Plassey.
		Civics	Understanding Media Different Forms of Media, RTI Act, Public opinion	How is media and money is inter related?
Jan	22	Civics	Understanding Media (conti.....) : Media and Technology, Media and Money, Media and Democracy, Censorship, Setting agendas, Local Media, Social Advertising	Can you list three different products that are advertised during your favourite TV programme? Make a social advertisement.
		History	From Trade to Territory (conti) : Rural life and society, Annexation of Awadh	Prepare notes on the followings : Subsidiary Alliance. Doctrine of Lapse. Claim to paramountcy.
Jan + Feb	21	Geography	Resources and Human Resources : Resources, Importance of resources, Types of resources, Natural resources, Human made resources, Human resources, Conservation of resources	Compare the natural and man-made resources. What steps should be taken to conserve the resources.
		Revision		
March	Annual Exam			

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

Subject - Computer Science (Session 2020-21)

MONTH	NO.OF W. DAYS	CHAPTER NO.	PERIODS REQUIRED	
			THEORY	PRACTICAL
April	10	Chap - 1	1	-----
May	23	Chap - 1 & Chap - 2	8	-----
June	10	Chap - 2	1	-----
Periodic Test - 1				
July	22	Chap - 3 (50%), Revision & Test	3	-----
Aug	Sept	Chap - 3 & Chap - 4	-----	-----
Half Yearly Exam				
Oct	25	Chap - 4 Revision & Exam	1	5
Oct	22	Chap - 5	1	7
Nov	18	Chap - 6	1	5
Nov	23	Ch - 6, Ch 7 & Revision & Test	3	5
Periodic Test - 2				
Jan	22	Chap - 8 & Chap - 9	6	2
Feb	21	Chap - 9	7	1
Mar	10	Revision & Exam	1	-----
Annual Exam				

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

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. Break the codes
Half Yearly Exam		
Sept	25	5. Mathematical Reasoning
Oct	22	6. Direction Sense
Nov	18	7. Analytical Reasoning
Periodic Test - 2		
Dec	23	8. Mirror Images
Jan	22	9. Folded In
Feb	21	Revision and Practice
March	Annual Exam	

Academic Global School

Jungle Dhusar, Pipraich Road, Gorakhpur

Class : VII

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

Month	No. of W.Days	Chapter Name
April	10	1. Seven Sisters of India 2. Hima Das - The Golden Girl of India 3. Aytobiographies of Sports Persons 4. Amazing Landmarks of the World 5. India in Defence Technology
May	23	6. Famous Bridges 7. Phobians 8. Amazing Plants 9. Inspiring Words - Ratan Tata 10. World Famous Personalities 11. Rainbow
June	10	12. United Nations the Hope and Conscience 13. Computer Quiz 14. Famous Proverbs 15. Book Club 16. Commonwealth Games 2018
Periodic Test - 1		
July	22	17. Mind Spark A Simple Science Quiz 18. Revolutionary Inventions 19. Branches of Study 20. Know Your Body 21. Life Skills.....Quetters 22. Proud Indians
August	20	23. Fun with Numbers 24. Solar System 25. Important Days 26. Who said It 27. Amazing Animals 28. National Parks and Sanctuaries
Half Yearly Exam		
Sept	25	29. Medicinal Herbs 30. Stars of the Business World 31. Geographical Maze A World Game 32. World Superlatives 33. Indian Nandicrafts 34. World of Newspapers
Oct	22	35. Sports Diaspora 36. Great Scientists 37. Units Models Test Paper-I 38. Usekess Organs 39. The Mighty Mughals 40. Water Kingdoms-The Fishy Survivors 41. Save Our Thresoconed and Endangered Animals

Month	No. of W.Days	Chapter Name
Nov	18	42. Man Made Disasters 43. River Side 44. First in World 45. Famous Musicians 46. Finite But Unbound Universe
Periodic Test - 2		
Dec	23	47. Natural Wonders 48. Sobriquets 49. Homonyms and Homophones 50. Sports Round Up 51. Yoga 52. Famous Environmentalists
Jan	22	53. Women of Substance 54. Famous Pointers 55. Param Vir Chakra Stories 56. Timeless Tresures of India 57. Save Earth - GO Green
Feb	21	58. Save the Environment 59. Space Odyssey 60. Museums 61. Antarctica
March	Annual Exam	