

ACADEMIC HEIGHTS PUBLIC SCHOOL

Session 2019-20

Subject - Physics

Month	W. Days	Chapter/Topics	Activity
April + May + June	24 + 15 + 8	Motion and Measurement of Distances :	
		Sub Topic: Story of transport, Measurement of length.	
		Sub topic: Concept of Rest and Motion. Types of motion,	Show simple pendulum
		Translatory motion, Circular Motion, Rotatory motion,	
		Oscillatory motion, vibratory motion. Periodic motion,	Group Discussion
		Non-Periodic Motion, Multiple Motion (Different Motions at same time)	To show oscillation of a simple pendulum
Periodic Test - 1			
July + Aug + Sept	27 + 24 + 22	Light, Shadow and Reflections :	
		Sub-Topic: Sources of light, Luminous and Non-luminous	
		objects, Transparent, Opaque and Translucent materials,	To show the reflection of light by a plane mirror. To study the image formation with concave and convex lenses.
		Light travels in a straight line, Shadows, Characteristics of	
		shadow, Pinhole camera, Mirrors and Reflection of light.	
Half Yearly Exam			
Oct + Nov	21+22	Electricity and Circuits :	To construct a simple electric circuit.
		Sub Topic: Electric cell, Electric Bulb, electric circuits,	
		Electric switch, conductors and insulators. How does an	
		Electric torch work, Electrical safety	
Periodic Test - 2			
Dec+Jan	24+22	Magnetism :	To find whether a given object is magnetic or nonmagnetic
		Sub Topic: Discovery of Magnet, Natural and Artificial magnets, methods of making Magnet, Properties of a magnet, Test for magnetism, earth as a magnet, magnetic compass, Demagnetisation, Uses of magnets	
Annual Exam			

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Session 2019-20

Subject - Chemistry

Month	W. Days	Chapter	Activity
April	24	Fibre to fabric	Making yarn from fibre, showing fabric is made up of yarn.
May+Jun	23	Sorting materials into groups	Collection of various objects and separate them as per their properties.
Periodic Test - 1			
July+Aug	44	Separation of substances	Showing process of sieving, sedimentation, decantation.
Half Yearly			
Sept+Oct	20	Changes around us	Distinguish between chemical & physical change by daily life activities.
Oct+Nov	25	Air around us	To observe that oxygen is essential for burning, Air in soil
Periodic Test - 2			
Dec+Jan+Feb	50	Water	To observe condensation of water, To check the presence of water in the air.
Annual Exam			

ACADEMIC HEIGHTS PUBLIC SCHOOL

Session 2019-20

Subject - Maths

Month	W. Days	Chapter Name	Activity
April	24	1. Knowing our numbers	To find prime numbers from 1 to 100 by the method 'sieve of Eratosthenes'
		2. Whole Numbers	
May	15	3. Playing with numbers	To find the HCF of two given numbers
June	8	4. Integers	
Periodic Test - 1			
July	18	5. Fractions	
		6. Decimals	To represent the decimal numbers 0.25, 0.5, 0.75 on 10 x 10 grid.
July+Aug	18+24	6. Decimals continued.....	
		7. Introduction to Algebra+Linear equation of one variable	
Sept	22	8. Ratio & Proportion	
Half Yearly Exam			
Oct	21	9. Basic Geometrical Ideas	To perform the following activity using a circular cut-out (i) Make a chord (ii) Make a diameter (iii) Shade the minor and major segments (iv) Make a sector of the circle
		10. Understanding Geometrical Shapes	
Nov	22	10. Understanding Geometrical Shapes continued	To represent the following by paper folding (i) A right angle (ii) An acute angle (iii) An obtuse angle
		14. Practical Geometry	Make a perpendicular line from a point on the given line.
Dec	24	11. Mensuration	To make a cube using a net and count the number of faces, vertices and edges.
		Revision	
Periodic Test - 2			
Dec+Jan	24+22	12. Data Handling	
		13. Symmetry	To determine the no. of lines of symmetry of the following shapes (i) Equilateral triangle (ii) Square (iii) Rectangle.
Feb	23	Revision	
Annual Exam			

ACADEMIC HEIGHTS PUBLIC SCHOOL

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Subject - Biology

Month	W. Days	Topics/Chapter	Activity
April	24	Food where does it come from	
		Sources of food – food from plants,	Prepare a list of Ingredients for food items like Idli /
		food from animals.	Cake / Vegetable Curry / Roti.
		What do animals eat?	
		Food chain and food problem.	To identify the edible parts of some plants like
		2. Components of food :	mustard, banana onion, groundnuts
		What do different food items contain?	To prepare sprouted moong or chana
		Test for starch, protein & fat	
			To demonstrate an activity showing the presence of
			starch, protein & fats in different food stuff.
May+Jun	15+8	Components of food: (Contd.)	
		What do various nutrients do for our	
		body?	
		Balanced diet	
		Deficiency diseases.	
Periodic Test - 1			
July	27	Getting to know plants : To demonstrate that water is given	To show venation in leaf
		Herbs, Shrubs & Trees off during Transpiration.	To study anchorage function of root.
		Root System	
		Shoot System	
August	24	Body Movements	
		Parts of body	
		Joints	Check the movement of different. part of our body
		Types of joint	like : neck, wrist finger etc
		Skeleton	
		Different bones in body	
Sept.	22	Revision	
Haly Yearly			
Oct. + Nov	21+22	The living organisms and there surroundings	
		What is organisms	Make a list of plants and animals which are found
		Habitat and adaptation	on a particular place.
		Biotic and A biotic components	To show the germination of seeds.
		Producers and consumers	To show the use of sunlight's for plants.
		Growth, development, respiration,	
		excretion, reproduction, movements	
Periodic Test - 2			
Dec+Jan	24+22	Garbage in Garbage out	
		Landfill	Collect the garbage and through in dustbin
		Pollution	
		Different types of garbage and there disposal	Make list of different type of garbage
		Decomposers	Show the earthworms
		Vermicompost	Show the compost
		Recycling of garbage	
		Solutions	
Feb.	23	Revision	
Annual Exam			

ACADEMIC HEIGHTS PUBLIC SCHOOL

Session 2019-20

Subject - Social Science

Month	W. Days	Subject	Chapter/Topic	Activity
April	24	Geography	The Earth and the Solar System	Pictorial representation of the Solar System
		History	In the Earliest Cities : Harrapan Civilization, Characteristics of the Indian Civilization, Seals and their importance, Life in the Harrapan Cities	Mark the following cities in the map of India, Harappa, Mohen-jo-daro, Lothal, Ropar, Kalibangan, Dholavira, Surkotada
Apr+May	15	Geography	Latitudes and Longitudes	Prepare a file on Heat Zone
		Civics	Rural Administration : Panchayati Raj, Structure of the Panchayat, Function of Gram Panchayat, Role of Police and Patwari, Block Level Panchayat Samiti, Zila Parishad	Prepare a chart on the three tier system of the Local Government and paste the pictures of Village Panchayat
June	8	Geography	Revision	
		History		
		Civics		
Periodic Test - 1				
July	27	Geography	Motions of the Earth	Painting of the four seasons of India
		History	Kings, Kingdoms and Early Republics, Janpadas, Mahajanpadas, Magadha, Vaji, how some men became rulers	Make a timeline chart of the kings of the early republic
Aug	24	Geography	Motions of the Earth (Cont.)	
		History	Story of Buddha, Upanishads, Jainism, The Sangha and monasteries	Paste the pictures of Buddha, Mahavira, Sarnath Stupa and Monasteries and write about them
		Civics	Key elements of a Democratic Republic ,Participation, Why do we have regular elections, Need to resolve conflict, Equality and Justice. New questions and Ideas	Write a project report on the election in India, Explain the need for elections, Explain the whole process of elections from filling the nomination to the declaration of the result, Give your opinion on ensuring free and fair elections.
Sept+Oct	21	Geography	Major Domains of the Earth	Quiz on Continents and Oceans
		Civics	What is Government, Levels of the Govt., Types of the Govt.,	Make a list of the neighbouring countries and find out the kind of government there. Also make a list of head of states in these countries.
		History	Traders, Kings and Pilgrims, New kingdoms along the coast, The story of the Silk Route, The quest of the pilgrims	Make the silk route on the world map
Half Yearly Exam				

Nov	22	Geography	Major Domains of the Earth (cont.)	
		History	Ashoka the emperor who gave up the war, Chandragupta Maurya and expansion of the Empire, Ashoka's accession to the throne, Kalinga's War and Ashoka's Dhamma	Write about the means adopted by Ashoka to spread the message of Dhamma
Dec	24	Geography	Major land forms of the Earth	Collection of pictures to prepare an album on mountains
		Civics	Urban Administration, Municipal Corporation, Sources of Income	Write two paragraphs on the facilities provided by the municipal corporation/committee in your locality/colony
Periodic Test - 2				
Jan	22	Geography	Major land forms of the Earth(cont.)	
		History	New Empires and Kingdoms, Samudragupta's Prashasti, Harshvardhan and Harshacharita, The Pallavas, Chalukyas, Pulkeshins Prashasti	Paste the picture of the Allahabad Pillar
Feb	23	Geography	Revision	
		History	New Kings and Kingdoms, Emergence of New Dynasties, Kingdoms of India, The Cholas	
Annual Exam				

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Session 2019-20			
Subject - Computer Science			
Month	W. Days	Chapter/Topic	Activity
April	24	Computer language	Lab practical
May	15	More on Window-07	Lab practical
June	8	Microsoft PowerPoint 2010, Mail Merge	Lab practical
Periodic Test - 1			
July	27	Microsoft Power Point & Revision	Lab practical
Aug	24	Animating text and object	Lab practical
Sept	22	Microsoft Excel 2010 & Revision	Lab practical
Half Yearly Exam			
Oct	21	Editing a worksheet	Lab practical
		Log on to Flash	Lab practical
Nov	22	Working with Flash CS3	Lab practical
		Algorithm and Flow chart	Lab practical
Dec	24	Working with Flash CS3	Lab practical
		Introduction to QB64	Lab practical
Periodic Test - 2			
Jan	22	QBASIC Statements	Lab practical
		Internet Services	Lab practical
Feb	23	Project work and Revision	Lab practical
Annual Exam			

ACADEMIC HEIGHTS PUBLIC SCHOOL		
Session 2019-20		
Subject - Reasoning		
Month	W. Days	Chapters Name
April	24	1. Which one is different
May	15	2. Analogy
		3. What comes next
June	8	3. What comes next
Periodic Test - 1		
July	27	4. Break the codes
Aug	24	5. Analytical reasoning
Sept	22	6. Mathematics reasoning
Half Yearly		
Oct	21	7. Mirror Images
Nov	22	8. Paper folding
Dec	24	9. Opend out
Periodic Test - 2		
Jan+Feb	22+23	Practice
Annaul Exam		

ACADEMIC HEIGHTS PUBLIC SCHOOL

Session 2019-20

Subject - English

Month	W. Days	New Gem's English Reader (Literature)	The New Grammar Tree (Grammar)	Activities
April	23	Ch 1 – Lonely Sunday Ch 2 – Today I wrote a Poem Ch 3 – Making Friends Ch 4 – A child’s Thought	Ch 1 – Nouns : Kinds Ch 2 – Nouns : Number Ch 3 – Countable and Uncountable Nouns Ch 4 – Nouns : Gender Ch 5 – Articles Leave Application	Pronunciation Vowel & Consonants
May	15	Ch 5 – India at Play Ch 6 – The Diamond Necklace	Ch 6 – Pronouns Ch 7 – Nouns : Possessive Forms Letter Writing (Formal)	Practising Tongue Twisters
June	8	Ch 7 – My Mother Saw a Dancing Bear	Ch 8 – Adjectives	Introduction Practice
Periodic Test - 1				
July	27	Ch 8 – The Song from Heaven Ch 9 – Jumbo Jet	Ch 9 – Adjectives : Comparison Ch 10 – Verbs : Introduction Ch 11 – Direct Indirect Objects Letter Writing (Informal)	Telling about your family
Aug	24	Ch 10 – The Hen Ch 11 – A Handful of Salt Ch 12 – I Cannot Remember my Mother	Ch 12 – Transitive and Intransitive Verbs Ch 15 – Subject and Predicate Ch 16 – Sentence Kinds : Based on Functions, Notice Writing	Telling about your Native place
Sept	23	Ch 13 – No Room for a Leopard Ch 14 – Spring Quiet	Ch 17 – Phrases and Clauses Ch 18 – Sentence Kinds : Based on Structure, Comprehension	
Half Yearly Exam				
Oct	21	Ch 15 – The Mysterious Visitor – 1 st Ch 16 – The Mysterious Visitor – 2 nd Ch 17 – Summer Fragrance	Ch 19 – Conjunctions Ch 20 – Verbs : Finite and Non – finite Ch 21 – Verbs : The Present Tense, Message writing	
Nov	22	Ch 18 – Stopping by Woods on a Snowy Evening Ch 19 – The Voice of Conscience	Ch 22 – Verbs : The Past Tense Ch 23 – Verbs : Future Time Story Writing	Speech Delivery
Dec	24	Ch 20 – I will Tell You How the Sun Rose Ch 21 – End of School Days	Ch 24 – Verbs : Perfect Tenses Ch 25 – Subject – Verb Agreement Ch 26 – Active Passive Voice E-mail Writing	
Periodic Test - 2				
Jan	22	Revision	Ch 27 – Adverbs Ch 29 – Prepositions Ch 30 – Direct Indirect Speech	
Feb	23		Revision	
Annual Exam				

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Session 2019-20

Subject - Art and Craft

Month	W. Days	Particulars	Learning outcome
April	24	Unit : 1	
		Introduction	
		Elements of Art	Texture colouring
		Principles of composition	
May	15	Perspective	Sketching
June	8	Unit : 2	
		Study of Nature	
		Flowers	Sketching
Periodic Test - 1			
July	18	Leaves, Composition, Fruits, Tree, Landscape	Colouring
Aug	24	Unit : 3	
		Birds & Animals	Card
		Quick sketching, silhouette	
		Pencil shading and water colouring	
Sept	22	Unit : 4	
		Human Figures & Features	Colouring
		Sketching of eyes, nose, lip & ears	
		Stick figure drawing, cartoon drawing. Theme drawing	
Half Yearly Exam			
Oct	21	Unit : 5	
		Still life composition	
		Cup & saucer, pots, pencil shading rendering, diwali panel	Craft
Nov	22	Unit : 6	
		Designs & Patterns	
		Floral and geometrical designs calligraphy, story composition, poster designing	Cover design
Dec	24	Unit : 7	
		R' world of recreation	Craft
		College, gift wrapping, aquarium multipurpose cart	
Jan	22	Golden elephants	
		Unit : 8	
		Art gallery	Craft
		Indian art & culture	
Periodic Test - 2			
Feb	23	International Art - Artist	
		Poet on Mountain	
Annual Exam			

ACADEMIC HEIGHTS PUBLIC SCHOOL

Session 2019-20

Subject - GK

Month	W. Days	Chapters Name
April	24	Our environment
		India and the world- 3 sections
May	15	India and the world- 3 sections
		Science and technology- 2 sections
June	8	Science and technology- 3 sections
Periodic Test - 1		
July	27	Arts and literature
Aug	24	Sports and entertainment
		Brain workout life skills
Sept	22	Our environment
Half Yearly		
Oct	21	India and the world
Nov	22	Arts and literature
Dec	24	Sports and entertainment
Periodic Test - 2		
Jan	22	Brain workout
Feb	23	Life-skill
Annual Exam		