

Army Public School, Panagarh

SYLLABUS BIFURCTION – CURRICULUM PLANNING

ACADEMIC YEAR: 2017 – 18

CLASS- IX

COMPUTER SCIENCE			
TERM	MONTH	CHAPTER	SUBJECT ENRICHMENT ACTIVITIES/PRACTICALS
T E R M I	APRIL	Ch-1 :Computer System	
	MAY	Ch-2 : Types of Hardware	Create PowerPoint Presentation.
	JULY	Ch-3: Types of Software Ch-4 : Basics of Operating Systems	Collage Making
		Revision for PT-I PT-I: Ch-1 & Ch-2	
	AUG	Ch-5: Working with Operating System Ch-6: Openoffice.org Writer – I Ch-7: Openoffice.org Writer – II	Practical 1: Basic Tools of Windows OS Practical 2: Word processor - Letter Writing - Report Writing - Greeting Card - Poster Making
	SEP	Ch-13: Word Processing Tool : Advanced Features Ch-9 : Basics of Information Technology Revision for Half-Yearly	Practical 3: Word Processing document along with mail merge feature. Practical 4: Create Presentation. Practical 5: Spreadsheet with charts IT Application Report File Real life assignments using Word Processing Tools on 4 topic: - Report Making - Poster Making - Invitation Cards - Letter/Application writing
	OCT	Ch-10: Presentation Tool:	Practical 6: Create presentation

		OO Impress Ch-11: Spreadsheet Tool: OO Calc-I	Practical 4: Work with cell contents in a worksheet. - Format Data - Charts
		HALF-YEARLY: Ch-1,2,3,4,5,6 & 7	
T E R M II	NOV	Ch-11: Spreadsheet Tool: OO Calc-II	IT Application Report File - 4 Spreadsheets with charts - Presentation - Word Processing document along with mail merge feature
	NOV	Ch-15 Pre-boards	
	DEC	Revision for PT-III PT – III: Ch- 9,10 & 11	
	JAN	Pre-boards	
	FEB	Revision for Annual	
	MAR	ANNUAL: 100% Syllabus	

MATHEMATICS						
NAME OF THE EXAM		MONTH	CHAPTER	SUBJECT ENRICHMENT ACTIVITY		
A N N U A L E X A M I N A T I O N	H A L F	I S T Q U A T E R L Y	APRIL	1.Real Numbers 3. Coordinate Geometry	<ul style="list-style-type: none"> ● Squire Root Spiral 	
			MAY	2. Polynomials 5. . Introduction to Euclid’s Geometry	<ul style="list-style-type: none"> ● Geometrical Proof Of Identities $(a+b)^2$ $(a+b)^3$ 	
	Y E A R L Y		JULY	5. Introduction to Euclid’s Geometry (contd) 6. Lines and angles 7. Triangles	<ul style="list-style-type: none"> ● HHW -Contributions and work of great mathematicians ● Verification of angle sum property 	
			AUGUST	12. Heron’s formula 14. Statistics	<ul style="list-style-type: none"> ● Area of a polygon ● Use of geo-board 	
			SEPTEMBER	Revision		
		P R E- A N N U A L		OCTOBER	8. Quadrilaterals 9. Areas of parallelogram and triangles	<ul style="list-style-type: none"> ● Mid- point theorem ● Quadrilateral formed by joining mid-point s of sides of a quadrilateral ● Area of a rhombus, trapezium
				NOVEMBER	10. Circles 11. Constructions	<ul style="list-style-type: none"> ● Angle subtended by an arc at its Centre. ● Cyclic Quadrilateral
				DECEMBER	4. Linear Equations in one variable 15. Probability	
				JANUARY	13. Surface Areas and volumes	
				FEBRUARY	Revision	

ENGLISH			
NAME OF THE EXAM	MONTH	CHAPTERS	S. E. ACTIVITIES
P.T-I	April May	Literature Reader : Prose : How I Taught My Grandmother to Read(Half- Yearly Exam also), A Dog Named Duke. Poems: The Brook, The Road Not Taken. Novel: Gulliver 's Travell.(part – 1) Grammar : Tense ,Determiners. Writing : Article Writing.	Speaking Skill -1 Listening Skill -2 Comprehension -3
Half Yearly	Jul Aug Sept	Prose : How I Taught My Grandmother to Read, The Man Who Knew too Much. Poems : The Solitary Reaper, LordUllin's Daughter. Drama : Villa for Sale. Novel : Gulliver's Travell (part – I,II) Grammar :Sub- Verb Agreement, Relatives, Preposition Writing : Article / Diary Entry, Story Writing.	Speaking Skill -4 Listening Skill -5 Group Discussion - 6
P.T-II	Oct Nov	Prose : Keeping it from Harold. Poem :The seven Ages, Oh , I Wish I'd looked After Me Teeth. Drama : The Bishop's Candlesticks. Novel :Gulliver's Travell (Part – II ,III) Grammar : Modal , Connectors. Writing : Story Writing.	Speaking Skill - 7 Listening Skill -8 Group Discussion -9
Final	Dec	Prose :Best Seller. Poem :Song of the Rain. Novel : Gulliver's Travell (Part - IV) Grammar : Active – Passive , Reported Speech.	Speaking Skil -10 Listening Skill - 11 Group Discussion -12
	Jan, Feb	Revision	

SOCIAL SCIENCE			
NAME OF THE EXAM	MONTH	CHAPTER	S.EA
PT-1	APRIL	HISTORY CH-1: The French Revolution	a) Find out more about the history and various organs of the U.N
HALF YEARLY	MAY	CIVICS CH-2:What is Democracy? Why Democracy	b) Collect any news about the decisions of the World Bank & the IMF
	JULY	ECONOMICS CH-1:The story of village Palampur	c) On an outline map of India show the following i) Mountain & Hill ranges- the Karakoram, the Zaskar, the Patkai Bum, the Jaintia, the Vindhya range, the Aravali & the Cardamom hills. Ii) Peaks- K2, Kanchenjunga, Nangaparvat & the Anaimudi. Iii) The Indian Desert, Western Ghats, Lakshadweep Islands
	AUGUST	GEOGRAPHY CH-1: India-size and location	d) Imagine that a meeting has been called in your area to discuss the socialist idea of doing away with private property and introducing collective ownership. Write the speech you would make at the meeting if you are: a) a house owner b) a medium-level landowner
	SEPTEMBER	HISTORY CH-2:Socialism in Europe and the Russian Revolution	e) On an outline map of India mark & label the following lakes: Chilka, Sambhar, Wular, Pulicat, Kolleru.
		GEOGRAPHY CH-2:Physical features of India	f) Visit a nearby hospital, either govt. or private and note down the following details. How many beds are there in the hospital you have visited? How many doctors are there in the hospital? How many dispensaries are there in your locality?
		CIVICS CH-3:Constitutional Design HISTORY CH-3:Nazism & Rise of Hitler	
		GEOGRAPHY CH-3:Drainage	
		CIVICS :CH-4:Electoral Politics	
		ECONOMICS:CH-2:People as Resource	

**HINDI
PERIODIC TEST- 1**

पाठ्यपुस्तक	व्याकरण	प्रोजेक्ट
<ul style="list-style-type: none"> ❖ गद्य- धूल ❖ पद्य - रैदास ❖ संचयन- गिल्लू 	<ul style="list-style-type: none"> ❖ वर्ण विच्छेद ❖ अनुस्वार-अनुनासिक ❖ संधि ❖ नुक्ता ❖ अनुच्छेद ❖ पत्र ❖ अनौपचारिक 	<ul style="list-style-type: none"> ❖ कवि और उनकी कविताएँ ❖ साँपो की प्रजातियाँ ❖ नीति संबंधी कविताएँ

HALF YEARLY

पाठ्यपुस्तक	व्याकरण	प्रोजेक्ट
<ul style="list-style-type: none"> ❖ गद्य- दुख का अधिकार, एवरेस्ट मेरी शिखर यात्रा, धूल ❖ पद्य -रहीम के दोहे, आदमी नामा ❖ संचयन- स्मृति 	<ul style="list-style-type: none"> ❖ समास ❖ शुद्ध अशुद्ध ❖ पर्यायवाची ❖ अनेकार्थी ❖ संवाद ❖ उपसर्ग ❖ प्रत्यय ❖ पत्र ❖ विज्ञापन 	<ul style="list-style-type: none"> ❖ बचेंद्री पाल और शिखर यात्रा ❖ अंध विश्वास ❖ विज्ञान का मानव विकास में योगदान

PERIODIC TEST-2

पाठ्यपुस्तक	व्याकरण	प्रोजेक्ट
<ul style="list-style-type: none"> ❖ गद्य- तुमकब जाओगे अतिथि, वैज्ञानिक चेतना के वाहक सी. वि रामन ❖ पद्य -एक फूल की चाह, गीत- अगीत 	<ul style="list-style-type: none"> ❖ पद शब्द ❖ पदबंध ❖ रचना के आधार पर ❖ विराम चिन्ह ❖ चित्र वर्णन ❖ विलोम शब्द 	<ul style="list-style-type: none"> ❖ अतिथि देवो भव ❖ धान की खेती ❖ सौर मंडल और नौ ग्रह

❖ संचयन- कल्लू कुम्हार की उनाकोटी, हामिद खाँ	❖ वाक्यांशों के लिए एक शब्द	
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ANNUAL

पाठ्यपुस्तक	व्याकरण	प्रोजेक्ट
<ul style="list-style-type: none"> ❖ गद्य- कीचड़ का कव्य, धर्म की आड, शुक् तारे के समान ❖ पद्य - अग्निपथ, नए इलाके, एक फूल की चाह ❖ संचयन- मेरा पुस्तकालय, दिए जल उठे, हामिद खाँ 	<ul style="list-style-type: none"> ❖ विलोम शब्द ❖ विराम चिन्ह ❖ सरल वाक्य ❖ मुहावरे ❖ (कक्षा कार्य पूरा) 	<ul style="list-style-type: none"> ❖ कीचड़ का महत्व ❖ स्वतंत्रता आंदोलन में गांधी का योगदान ❖ छुआछूत

SCIENCE

MONTH	CHAPTERS	ACTIVITIES
April	1.Matter In Our Surrounding 2.Is Matter Around Us Pure 8.Motion	i)Demonstrating and inferential activity based on osmosis ii)Classifying changes as physical and chemical changes iii)Graphical representation of equations of motion
May	5.The Fundamental Unit of Life 6.Tissues	Making Temporary slides of Onion peel and Human cheek cell
June	Summer Vacation	
July	15 Revision and Periodic Test - I (Syllabus : Chapters – 1,2,5, 8& 6)	
August	3.Atoms and molecules 4.Structure of the atom 9.Force and LawsOf Motion	i)Making model of an atom ii)Examples from day to day life that demonstrate the equations of Motion
September	7.Diversity in Living Organisms 13.Why Do We Fall Ill 10.Gravitation	i) Flowchart based on Classification of animals ii) Experiment to show Buoyancy
October	14.Natural Resources 11. Work and Energy Revision and Half Yearly Exam (Syllabus: Chapters – 3, 4, 7, 9, 10, 13, 11,14, 15)	Law of Conservation of energy
November	12.Sound Lab Activity	Resonance, Vibrations to be demonstrated with the help of a tuning fork
December	Lab Activity Revision for Periodic test – II	
January	Periodic test – II (Chapters-2, 3, 7)	
February	Revision and Annual Exam (Syllabus : Chapters-1,2, 3, 4, 5, 6, 7,8, 9, 10, 11, 12, 13, 14, 15)	