	Delhi Public School, Gandhinagar		
Holiday Assignment (Academic Session 2019-20)			
	Class - VI		
Subject	Homework		
English	Pick any picture from the newspaper or magazine,paste that on the A4 size paper and describe it in 100-120 words giving it a suitable title. Suggestive Reading during vacation: Authors: Sudha Murthy,Polie Sengupta, Enid Blyton,Eric Carle		
Hindi	किसी त्यौहार से सम्बंधित चित्र चिपकाकर अथवा बनाकर चित्र वर्णन कीजिए। (हिंदी व्याकरण नोटबुक में)		
Maths	Complete the magic square using whole numbers on a A4 size project paper, such that (i)the sum in each row, column and along each diagonal is 34. $\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$		
Science	Q1. Paste photos of the following deficiency diseases. Also write down information about the cause, 2 symptoms and preventive measures. (a) Night Blindness (b) Beri - Beri (c) Scurvy (d) Anaemia (e) Rickets (f) Goitre Q2. Write down the nutritive value of various components of any three packed food items. (Holiday homework to be done in class work notebook.)		
Soc. Science	 Know your past Make any four Stone Age tools with the help of clay. Write a short note on the uses of Stone Age tools in your Social Science notebook. 		
Sanskrit	वर्णविच्छेद of any 20 sanskrit words to be done in Notebook		
French	Conjugaison of verbs (etre, aller, avoir, habiter, visiter, parler, regarder & preferer) to be done in notebook as per the proper format of conjugaison.		
Gujarati	એક બોધકથા લેખન - to be done in Notebook		
Computer	Write a brief note on any five Input or Output devices.(including its usage and picture). To be done in Notebook.		

Delhi Public School, Gandhinagar			
	Holiday Assignment (Academic Session 2019-20)		
	Class - VII		
Subject	Homework		
English	On a A4 size paper paste any picture and create an interesting story giving it a suitable title in 125-150 words. Suggestive Reading during vacation: Authors: Ruskin Bond ,Natasha Sharma,Lewis Caroll, Rudyard Kipling		
TT · 1·	किसी पर्वतीय प्रदेश की यात्रा का वर्णन करते हुए दो मित्रों के बीच हो रही बातचीत को संवाद के रूप में		
Hindi	लिखिए (हिंदी व्याकरण की नोटबुक में)		
	Solve the sudoku puzzle on a A4 size project paper.		
Maths	1 2 3 4 5 3 7 5 5 5 1 2 8 9 6		
Science	 Q.1In plants and fungi, identify the mode of nutrition and provide explanation. Q2. Imagine an island with only green plants and no animals. What will happen to the level of carbon dioxide in the atmosphere in 24 hours? Explain briefly. Q3. Humans can also prepare food in the kitchen. Does that make them autotrophs? Give reasons. Q4. Why don't plants need a digestive system. Q5. Name the following: 4 types of teeth. Digestive glands in human body. Acid produced in stomach. Scientist who discovered the working of stomach. The sac like structure present between the small intestine and large intestine in ruminants. Q6. Draw and label: a) The human digestive system b)Feeding & digestion in Amoeba. 		
Soc. Science	The 2019 Lok Sabha elections are going on for different constituencies across the country. Collect news on the Election result from the newspapers and paste any five headlines related to the same in your Social Science notebook. Write any ten points of Manifesto of the newly Elected Government.		
Sanskrit	प्रवास-वर्णनम्, Write 10 Sentences based on लङ् लकार(Use of Past Tense). It is to be done in notebook		
French	Students to draw a map of France in notebook and locating therein famous mountains, rivers & cities of France. You can use colours to make it more creative.		
Gujarati	વેકેશન દરમિયાન કરેલા પર્વાસનું વર્ણન - to be done in Notebook.		
Computer	Write a brief note on classification of computer software. (System software and Application Software) including its usage and picture. To be done in Notebook.		

	Delhi Public School, Gandhinagar		
Academic Session 2019-20			
Holiday Assignment			
Class - VIII			
Subject	Homework		
English	On a A4 size paper write a self-composed poem of 12-16 lines which can be a free verse or a rhyming poem. Suggestive Reading during vacation: Authors: Arundhati Venkatesh, Jules Verne Charles Dickens		
Hindi	मोबाइल का एक आकर्षक विज्ञापन तैयार कीजिए।(हिंदी व्याकरण की नोट बुक में)		
Maths	Create a Mathematical cross word puzzle of 10*10 on a A4 size project paper.		
Science	 Q-1 Describe traditional methods of irrigation followed in Rajasthan (Khadin), Himachal Pradesh (Kulhs), Maharashtra (Bandhras) and draw the diagram of the same. Q-2 What are weeds? Draw the diagram of one such weed, <i>Parthenium</i>, and explain why it is known as one of the most notorious weeds. Discuss the mode of dispersal of the same. To be done in the notebook. 		
Soc. Science	Make a poster on ' Conservation of Resources ' on A4 size paper and paste it in yor Social Science notebook. The poster should depict problems of Resource Depletion , use of Alternate Resources and other innovative methods.		
Sanskrit	प्रवास-वर्णनम्, Write 10 Sentences based on लङ् लकार(Use of Past Tense). It is to be done in Notebook		
French	Students to draw a map of France in notebook and draw / stick pictures therein of famous perfumes, cheese, cars, monuments etc of France. May use colours to make it more creative.		
Computer	Name & Explain (1) Types of Computer Network (PAN, CAN, LAN, MAN, WAN) and (2) Network Topologies(Bus, Star, Ring, Mesh). Paste/Draw pictures of each. To be done in Notebook.		

Delhi Public School, Gandhinagar

Holiday Assignment (Academic Session 2019-20)

Class - IX

Subject	Homework				
English	Reading Comprehensions to be done in the Workbook : Pages- 2-7 and 22-27. Suggestive Reading during vacation: Authors: Rupa Gulab, R.K. Narayan, J.K Rowling, P.G. Wodehouse, ruskin Bond				
Hindi	कक्षा नौं में ,पठित पाठों में से दस उपसर्ग तथा दस प्रत्यय वाले शब्द छांटकर हिंदी व्याकरण की नोटबुक में लिखिए				
Maths	Collect information on Euclidean and Non-Euclidean geometry (Definition, differences and applications) on a A4 size project paper.				
Science	 Demonstration of osmosis through potato. Write the observations and explain the result in detail. (Ques no. 9 of NCERT textbook, pg. 67) Find out the number of chromosome present in 10 different adult organisms. Describe the Contribution of various scientist involved in the discovery of the following cell organelles. a. Plastids b. Mitochondria 				
	 Plan to go to a place by a vehicle. Take readings of odometer and speedometer after every 5min, till you reach your destination. Record these observations in tabular form. Plot graphs between distance-time and speed-time. State whether this motion is uniform or non-uniform. Draw a schematic showing distance and displacement through a picture or diagram. Can the state of absolute rest or motion be defined for any object? Comment. Can the average speed of moving object be zero? Explain 				
	 Wirte a short note on the 4th state of matter. What is an alloy? How it is made? Give names of any 5 alloys with their composition and application. How & why camphor is used to purify air? Give 3 applications of sublimation used in daily life. How will you extinguish the fire caused by petrol or alcohol? Can we use water to stop fire of this kind? Why? Why burn by water vapour is more severe than burn by hot water? Explain withn respect to latent heat. Write the answers in your notebook. 				
Soc. Science	 Write a brief report on ' Green Revolution in India' in your Social Science notebook under the following headings. Meaning Growth Pros and Cons 				
Sanskrit	Write on मम विद्यालयः and मम परिचयः. Each topic should have minimum 10 sentences. Pictures can be pasted. Homework to be done in Grammar Notebook.				
Computer	Write five features of any two Word Processing Softwares in your notebook. Also write two points of difference between them. Paste one picture of each Word Processing Software. To be done in Notebook.				

Delhi Public School, Gandhinagar Holiday Assignment (Academic Session 2019-20) Class - X

Subject		Homework	
~~~J~~	On the basis of the given input, write a meaningful story using its key elements ( plot,		
	characters ,theme, setting, climax etc.) in 200-250 words.		
English	I was sitt	ing at the window seat in the train and talking to my friend who was standing	
English	outside. S	Someone came to my friend and	
	Suggestive Reading during vacation: Authors: Ranjit Lal, Ruskin Bond J.K Rowling, Roald Dahl		
		 कल है ' इस सूक्ति को ध्यान में रखते हुए 'जल बचाओ' को अभियान का रूप देकर एक	
Hindi	· · · ·	यार कीजिए   ( हिंदी व्याकरण की नोटबुक में )	
		given assignments (Board Questions) of chapter 1 and chapter 2 in Maths	
	note bool		
		Chapter 1: Real Numbers	
	1	Prove that the product of three consecutive positive integers is divisible	
		by 6.	
		If the HCF of 408 and 1032 is expressible in the form of 1032m – 408n,	
		find the value of m and n.	
		Find the largest number that divides 626, 3127 and 15628 and leaves	
		remainders 1, 2 and 3 respectively.	
		A mason has to fit the floor of a hall with square marble tiles of the largest possible size. The size of the hall is 30 ft by 14 ft. What would be the size	
		of the tiles required and how many such tiles are required?	
		In a seminar, the number of participants in physics, chemistry and	
	_	mathematics are 84, 144 and 108 respectively. Find the minimum number	
		of rooms required if in each room the same number of participants is to be	
		seated and all of them being in the same subject.	
		Show that any positive odd integer is of the form $8q + 1$ , $8q + 3$ , $8q + 5$	
		or $8q + 7$ where q is some integer.	
	7	Prove that $5 - \frac{2\sqrt{3}}{7}$ is an irrational number.	
Maths	8	Prove that $\sqrt{3} + \sqrt{5}$ is an irrational number.	
		Explain why $47 \times 19 \times 11 + 19$ is a composite number?	
		After how many decimal places will the following expansion terminates:	
		(i) $\frac{15}{1600}$ (ii) $\frac{13}{125}$ (iii) $\frac{43}{2^4 \times 5^2}$ (iv) $\frac{107}{1250}$	
		Chapter 2: Polynomials	
	1	Find the zero of the polynomial $p(x) = 2x^2 - (1 + 2\sqrt{2})x + \sqrt{2}$ and	
		verify the relationship between the zeroes and the coefficients of the	
		polynomial.	
		If the zero of the polynomial $m(x) = x^2 + px + q$ are 3 and 2, find the	
		values of p and q. Also, write the polynomial.	
		If one zero of the polynomial $p(x) = (a^2 + 9)x^2 + 13x + 6a$ is	
	1	reciprocal of the other, find the value of a.	
		If one zero of the polynomial $p(x) = 4x^2 - 9 - 8kx$ is negative of the	
		other, find the value of k.	
		Find the value of k such that $3x^2 + 2kx + x - k - 5$ has the sum of its	
		zeroes as half of their product.	
		If $\alpha$ and $\beta$ are the zeroes of the polynomial $3x^2 + 2x - 6$ , then find the	
		value of $(1) + 2 + 2 + 2 + 2 = (1) + 3 + 2 = 2$	
		(i) $\alpha^2 + \beta^2$ (ii) $\alpha^3 + \beta^3$	

	7 If $\alpha$ and $\beta$ are the zeroes of the polynomial $x^2 - x - 1$ , then find the		
	quadratic polynomial whose zeroes are $\frac{2\alpha}{\beta}$ and $\frac{2\beta}{\alpha}$ .		
	8 If the polynomial $m(x) = x^4 - 3x^2 + 5x + 3$ is divided $x^2 - 2$ , the		
	remainder is $ax + b$ . What will be the quotient? Find the value of a and b.		
	9 Find all the zeroes of the polynomial $p(x) = 2x^3 + 3x^2 - 11x - 6$ , if		
	one of its zero is -3.		
	10 Given that $x - \sqrt{5}$ is a factor of $x^3 - 3\sqrt{5}x^2 + 13x - 3\sqrt{5}$ , find all the		
	zeroes of the polynomial.		
	Write the answers to the following questions in your note book.		
	1. Trace the image of an object held in front of a concave mirror between its pole and		
	principal focus. What is linear magnification of the mirror? Is it positive or		
	negative in this case?		
	2. Find the position of the object which when placed in front of a concave mirror of		
	radius of curvature 40 cm produces a virtual image, which is twice the size of the		
	<ul><li>object. Draw the ray diagram also.</li><li>3. A square loop of wire of side 3 cm placed 25 cm away from a concave mirror of</li></ul>		
	focal length 10 cm. What is the area enclosed by the image of square loop of wire?		
	The centre of square loop lies on the principal axis and perpendicular to the axis.		
	4. What is the nature of the image formed by a concave mirror if the magnification		
	produced by the mirror is $+3?$		
	5. A student wants to project the image of a candle flame on a screen 90 cm in front		
	of the mirror by keeping the flame at a distance of 15 cm from its pole.		
	a. Suggest the type of mirror s/he should use.		
	<ul><li>b. Determine the linear magnification in this case.</li><li>c. Find the distance between object and its image.</li></ul>		
	<ul><li>d. Draw ray diagram to show the image formation.</li></ul>		
	d. Draw ray diagram to show the mage formation.		
	1. Form skeletal equations mentioning the states of reactants and products of these		
	chemical reactions and balance them: -		
	a) Sodium hydroxide solution is treated with acetic acid (CH ₃ COOH) to form		
Science	<ul><li>sodium acetate (CH₃COONa) and water.</li><li>b) Ethene (C₂H₄) is burnt in the presence of Oxygen to form carbon dioxide, water</li></ul>		
Science	and releases heat and light.		
	c) Chlorine gas is passed in an aqueous Potassium iodide solution to form Potassium		
	chloride solution and solid iodine.		
	d) Copper sulphate on treatment with Potassium iodide precipitates Cuprous		
	iodide(Cu ₂ I ₂ ), liberates Iodine gas and also forms Potassium sulphate.		
	e) Magnesium ribbon is burnt in an atmosphere of Nitrogen gas to form solid Magnesium nitride		
	Magnesium nitride. 2. Complete the following chemical reactions:		
	a) Combination reaction:		
	i) $Na(S) + S(s) \rightarrow \dots$ ii) $CaO(s) + SiO_2(s) \rightarrow \dots$		
	b) Decomposition reaction:		
	i) $2H_2O_2(l) \rightarrow \dots + O_2(g)$ ii) $2HgO(s) \rightarrow 2Hg(l) + \dots$		
	c) Displacement reaction:		
	i) $3Fe + 4H_2O \rightarrow \dots + 4H_2$ ii) $V_2O_5 + 5Ca \rightarrow 2V + \dots$ d) Double displacement:		
	i) 2NaOH (aq) + $H_2SO_4(aq) \rightarrow \dots + 2H_2O$		
	i) $Fe_2(SO_4)3(aq) + NaOH(aq) \rightarrow \dots + Na_2SO_4(aq)$		
	3.Write the reactions for the corrosion of Fe, Cu and Ag and paste coloured pictures		
1	of corroded Fe, Cu and Ag.		
	1. Mention the role of following in digestive system.		
	<ol> <li>Mention the role of following in digestive system.</li> <li>a) Pepsin b) saliva c) villi d) bile juice</li> </ol>		
	1. Mention the role of following in digestive system.		

	3. With the help of a schematic flowchart, show the breakdown of glucose in a cell				
	to provide energy in following conditions:				
	a) in the presence of $O_2$ b) in the absence of $O_2$ c) when there is a lack of $O_2$				
	4. Draw or a well labelled diagram of human respiratory system.				
	5. Draw or a well labelled diagram of human digestive system.				
	The followings are the <b>goals of Sustainable Development</b> . Choose any one and write				
Soc.	a brief article on it in your Social Science Notebook.				
Science	1. No Poverty 2. Good Health and Well-being.				
	3. Quality Education4. Gender equality				
	Write on मम दिनचर्या and मम परिचयः. Each topic should have minimum 10				
Sanskrit	sentences. Pictures can be pasted. Homework to be done in Grammar				
	Notebook.				
Computer	Explain four types of Blogs. Explore online few famous personality's blogs and Paste				
	picture of any two blogs that you have visited. To be done in Notebook.				