



BRIGHTLANDS GIRLS SR. SEC. SCHOOL , JAIPUR
HOLIDAY HOMEWORK ASSIGNMENT 2024-25
CLASS IX

S.NO	SUBJECT	ASSIGNMENT
1	ENGLISH	PREPARE A PORTFOLIO
		Materials to be used: File, A4 size sheets, Pictures and the required stationery
		Activity: With reference to the poem "The Road Not Taken", Make a storyboard on a situation where you are happy/ you regret after having made a decision / having chosen a field.
2	HINDI	<p>प्र1) निम्नलिखित शीर्षक के आधार पर लगभग 100 शब्दों में लघु कथा लिखिए ।</p> <p>1. अभ्यास की शक्ति</p> <p>2. जैसे को तैसा</p> <p>प्र2) सूचना लेखन</p> <p>निम्नलिखित विषयों पर लगभग 60-70 शब्दों में सूचना लिखिए ।</p> <p>1. विद्यालय की पुस्तक प्रदर्शनी विद्यार्थियों को आमंत्रित करते हुए एक सूचना तैयार कीजिए।</p> <p>2. विद्यालय में छुट्टी के दिनों में भी प्रातः काल में योग की अभ्यास कक्षाएँ चलने की सूचना देते हुए इच्छुक विद्यार्थियों द्वारा अपना नाम देने हेतु सूचना-पट्ट के लिए एक सूचना लगभग शब्दों में लिखिए।</p>
3	SANSKRIT	<p>1. संकेताधारित कथालेखनम् ।</p> <p>2. विद्या विषये अनुच्छेदनम् लिखत ।</p> <p>3. संस्कृतभाषायाः परिहासः (चुटकले) लिखत ।</p>

4	MATHEMATICS	<p>Prepare a Portfolio Chapter concerned:Surface area and Volume Materials to be used: - A4 size sheet(plain / ruled white / coloured) , colours , Pen, Pencil, Pictures, etc. Lab manual activity : (i) To construct a square root spiral. (ii)To verify the algebraic identity $x^2 + y^2 = (x+y)(x-y)$ (iii) To find the values of abscissa and ordinate of various points given in a cartesian plane. (iv) To represent some irrational numbers on the number line.</p>																
5	SCIENCE	<p>BIOLOGY</p>	<p>Prepare a Portfolio Chapter For reference – Fundamental unit of life Material to be used - A4 size plain white sheets, colour pens etc. Activity- Draw a labelled diagram of an Animal cell and a Plant cell (on separate sheets) and explain the structure and function of any five organelles .</p>															
		<p>PHYSICS</p>	<p>Activity 1: The time of arrival and departure of a train at 3 stations A,B and C. The distances between them are given below:-</p> <table border="1" data-bbox="853 847 2033 1066"> <thead> <tr> <th>Station</th> <th>Distance from A (km)</th> <th>Time of arrival in (hours)</th> <th>Time of departure (hours)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>0</td> <td>08: 00</td> <td>08: 15</td> </tr> <tr> <td>B</td> <td>120</td> <td>11: 15</td> <td>11: 30</td> </tr> <tr> <td>C</td> <td>180</td> <td>13: 00</td> <td>13: 15</td> </tr> </tbody> </table> <p>Plot and interpret the distance- time graph for the train assuming that its motion between any two stations is uniform. ACTIVITY 2 Take meter scale and a long rope. Walk from the corner of a room of your house to its opposite corner along its sides. Measure the distance covered by you and magnitude of the displacement. What is the difference you notice between the two in this case</p>	Station	Distance from A (km)	Time of arrival in (hours)	Time of departure (hours)	A	0	08: 00	08: 15	B	120	11: 15	11: 30	C	180	13: 00
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		CHEMISTRY	<p>1. Write given chemistry practicals in A4 size sheets.</p> <p>Objective-</p> <p>(a) To prepare a solution of common salt, sugar and alum in water.</p> <p>(b) To prepare suspension of soil, chalk powder and sand in water.</p> <p>(c) To prepare colloidal solution of starch in water and egg albumin in water and distinguish between these two on the basis of transparency, filtration and stability.</p>	
			2. Prepare a creative chart on the topic assigned to you.	
6	SOCIAL SCIENCE	HISTORY	<p>Title: Exploring Social Divisions: French vs. Indian Societies</p> <p>Instructions:</p> <p>1. Research how French society was divided into three estates and how India's caste system grouped people based on occupation and social status.</p> <p>2. Compare the divisions in French society (Three Estates) with Indian society (Caste System). Identify similarities and differences in their structures and impacts.</p>	
		GEOGRAPHY	Create a Pictorial presentation showing the influence of each physical feature on the climate of any four states of India.	
		POL. SCIENCE	<p>Collect Data regarding results of Lok Sabha elections held in 2024.</p> <p>While discussing the seats bagged by different National and State level parties, answer the following questions.</p> <p>1) What is the total number of seats in Lok Sabha?</p> <p>2) How many seats have been obtained by the winning party?</p> <p>3) What do you mean by Coalition Government? Is this a Coalition Government?</p> <p>4) Compare the result of this Lok Sabha election with the Lok Sabha elections held in 2019. What are the differences that you observe?</p> <p>5) Represent the seat allotment through a pie diagram.</p> <p>6) Prepare a list of New Council of Ministers of Lok Sabha 2024.</p>	

		ECONOMICS	<p>Observe non-farm production activities taking place in your region. Make a short list of any five such activities . Collect and identify the fixed capital and working capital used by them in their production activities.</p> <p style="text-align: center;">OR</p> <p>Visit a village. Collect information on the following parameters of farming:</p> <ul style="list-style-type: none"> (i) Crops grown (ii) Mono-cropping and multiple cropping (iii) Use of HYV seeds (iv) Irrigation facilities (v) Use of tractors/ wooden plough <p>Presentation :</p> <ul style="list-style-type: none"> a. The total length of the portfolio should be 5 to 6 pages. b. It should be hand written and presented in a neat folder.
7	INFORMATION TECHNOLOGY	<p>The School is organizing an Educational trip to Nagaland. Imagine you are the Team Head of your club. You are organizing a workshop for students along with some other members of your club. The name of your club is “Tripadvisor”.</p> <p>Design a poster in LibreOffice / Open Office digital presentation to inform the students of the school about the event. Include following details in your poster:-</p> <ul style="list-style-type: none"> i. Name of the Event. ii. Date & Time of the Event. iii. Any Logo/motto you want to give. iv. Create a table which includes - Tourist places & Tour package. v. Contact details of organizers. <p>Use all the possible formatting features of digital presentation of LibreOffice / OpenOffice software and bring the printout for the same on A4 size sheet.</p>	

8	<p style="text-align: center;">ARTIFICIAL INTELLIGENCE</p>	<p>a) As we all know that Artificial Intelligence has been developed in all the sectors in India. You have to conduct a workshop and invite your friends to share with them the Latest Technology in Healthcare Sector. Prepare an invitation to the workshop on an A-4 size sheet which will be organised in your school to invite the Principal ma'am and teachers of your school. Participants will prepare a powerpoint presentation on the topic "Latest Technology in Healthcare Sector" which can be shared among students after the workshop.</p> <hr/> <p>b) You are working as a Traffic Manager in the IT industry. Although information technology has made many changes in managing traffic using computers, still many things need to be implemented to manage traffic chaos in the city. Create a powerpoint Presentation on how Artificial Intelligence can help in this sector especially for those who do not follow traffic rules.</p>
9	<p style="text-align: center;">ART INTEGRATION PROJECT</p>	<p>Title: "Exploring Nagaland: Art, Culture, and Human Resources" Follow the specified guidelines for exploring art, culture, and human resources of Nagaland.</p> <ol style="list-style-type: none"> 1. Give an overview of Nagaland by taking into account its geographical location, cultural diversity, indigenous tribes, and the significance of art in Naga society. 2. Explore the vital role of human resources in preserving heritage and sustaining the cultural legacy of Nagaland. 3. Create your own artworks inspired by Naga culture. This could include paintings, sketches, sculptures, or any other form of visual expression. 4. How can art contribute to preserving Naga culture? What challenges do artisans face in sustaining their traditional practices? 5. Suggest what measures should be taken by the State Government to promote tourism in Nagaland?