



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

SNO	SUBJECT	ASSIGNMENT
1	ENGLISH	<p><b>PREPARE A PORTFOLIO</b></p> <p><b>Materials to be used:</b> File, A4 size sheets, Pictures, the required stationery.</p> <p><b>Activity:</b> Visit a zoo in your city . On the basis of your visit, make a file covering the following details. Observation: "What specific behaviours or characteristics did you notice in the animals during your visit?" Analysis: "Can you compare and contrast the living conditions of different animal species in the zoo?" Communication: "How would you describe the importance of conservation efforts based on your observations at the zoo?" Critical Thinking: "What do you think are the ethical considerations involved in keeping animals in captivity, based on your visit to the zoo?" Research: "What steps would you take to gather more information about a particular animal species after your visit to the zoo?" Problem-Solving: "If you noticed any issues related to animal welfare during your visit, how would you propose addressing them?" Reflection: "What insights did you gain about wildlife and conservation from your visit to the zoo?" (Poem- A Tiger in the Zoo)</p>
2	HINDI	<p>प्र 1 ) विज्ञापन लेखन ( शब्द सीमा 40 शब्द )</p> <p>1.पर्यावरण विभाग की ओर से जल संरक्षण का आग्रह करते हुए एक विज्ञापन तैयार कीजिए।</p> <p>2. 'हरियाली' पौधशाला के पौधों की बिक्री बढ़ाने हेतु एक आकर्षक विज्ञापन तैयार कीजिए।</p> <p>प्र 2 ) ईमेल लेखन (शब्द सीमा 80 शब्द )</p> <p>1.आपने एक सप्ताह पहले लोकप्रिय कंपनी का फ्रिज खरीदा। वह ठीक ढंग से काम नहीं कर रहा और आपकी परेशानियां बढ़ गई हैं। कंपनी के मैनेजर को उसे बदलने के लिए ईमेल लिखिए।</p> <p>2. छात्राओं के लिए अधिक खेल सामग्री उपलब्ध कराने का अनुरोध करते हुए अपनी प्रधानाचार्या जी को ईमेल लिखिए।</p>

3	SANSKRIT	1. संस्कृतभाषायाः परिहासः(चुटकले) लिखत ।	
		2. दैनन्दिनीलेखनम् स्वदिनचर्या लिखत । 3. संकेताधारित कथा लेखनम् ।	
4	MATHEMATICS	<p><b>Prepare a Portfolio</b>  <b>Chapter concerned</b> : Quadratic Equation  <b>Materials to be used</b> : - A4 size sheet( plain / ruled white / coloured) , colours , Pen, Pencil, Pictures, etc.  <b>Lab manual activity:</b>  (i) To establish a formula for the sum of first n terms of an arithmetic progression.  (ii) To find the sum of the first (n) natural number.  (iii) To draw the graph of a quadratic polynomial and observe  (i) the shape of the curve , when the coefficient of <math>x^2</math> is positive.  (ii) the shape of the curve , when the coefficient of <math>x^2</math> is negative.  (iii) its number of zeroes.  (iv) To verify the condition of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.</p>	
5	SCIENCE	BIOLOGY	<p><b>Prepare a Portfolio</b>  Materials to be used - A4 size plain / ruled white / coloured sheets, colour pens , pictures, etc.  Activity- Write about  1) Human heart - structure and functions with a well labelled diagram  Human brain - structure and functions with a well labelled diagram  <b>OR</b>  2) Draw a well labelled diagram of human male and female reproductive system and explain the structure.( Maximum pages to be used – 3/4)</p>
		PHYSICS	<p>EXPERIMENT 1  To determine the focal length of a concave mirror by obtaining the image of a distant object.  EXPERIMENT 2  To determine the focal length of a convex lens by obtaining the image of a distant object.  Details will be sent to the class group.</p>

		<b>CHEMISTRY</b>	<p><b>1.Prepare a Portfolio</b> Write about 10 examples of chemical reactions which occur naturally. Materials to be used - A4 size plain / ruled white / coloured sheets, colour pens , pictures, etc.</p> <p>2. Write chemistry practical in A4 size sheet based on different types of chemical reactions (a) Combination reaction (b)Decomposition reaction (c )Displacement reaction (d)Double displacement reaction</p> <p>3.Make a creative chart and write chemical formula and name of compounds using different anions and cations, acid, bases and salts used in daily life, metals and nonmetals and their reactions, carbon and its compounds, or any other topic related to chemistry.</p>
<b>6</b>	<b>SOCIAL SCIENCE</b>	<b>HISTORY</b>	<p>1.Describe the Unification of the Two countries of Europe - Germany and Italy. Use a world map for the areas involved during the process.</p> <p>2. On the political map of the world locate the Present European countries and on other the empires of old Europe.( Comparison of present Europe with Past).</p>
		<b>GEOGRAPHY</b>	<p>1. Make a collage showing Resource Conservation.</p> <p>2. Describe the steps you have taken towards resource conservation ..</p>
		<b>POLITICAL SCIENCE</b>	<p>Listen to one national and one regional news bulletin broadcast by All India Radio or any News Channel on TV daily for one week. Make a list of news items related to government policies or decisions by classifying these into the following categories:</p> <ul style="list-style-type: none"> <li>• News items that relate only to the Central Government,</li> <li>• News items that relate only to your or any other State Government,</li> <li>• News items about the relationship between the Central and State Governments.</li> </ul> <p><b>NOTE</b> : Choose a week after June 5,2024</p>

		<b>ECONOMICS</b>	Design a poster showing how you can contribute to achieve the goals of sustainable development in your area.
7	<b>INFORMATION TECHNOLOGY</b>		<p>a) Brightlands Girls Sr. Sec. School is organizing an Inter School Competition in the month of May 2024. Students of different schools are participating in different events like debate, dance etc. Design a Template to invite guest school participants informing them about the event. The Template must contain proper heading for the event, participating class and events . The Template must contain images related to the Inter School Competition. Take the print out on an A4 size sheet.</p> <p>a. CBSE has introduced a Skill Based Program which has to be implemented in all the CBSE schools. This program contains a list of Skill Based Programs from which a school has to select. Brightlands Girls Sr. Sec. School has also introduced skill based programs like Fabric painting, Drama, Self Defense, Gardening etc. The inauguration of a Skill Based Program will be held in the beginning of the Session 2024. Design a creative poster using Open Office Writer highlighting the events along with details of the guest faculty and the rules and regulations which will be followed by all the students.</p>
8	<b>ARTIFICIAL INTELLIGENCE</b>		<p>(i) Make a poster for a Future Job Advertisement in the year 2050 on an A4 Sheet in which you need to mention what type of job you are recruiting for and what skill-sets do you expect in the candidate. The poster should be creative and futuristic and should talk about the period of 15 years ahead of now. Hints : Search for current and emerging trends in employment to make a Future Job Advertisement. The job description is for a job which will exist 15 years from now, i.e., the current date. The job advertisement must include the following information.</p> <p>Information about the hiring company</p> <ul style="list-style-type: none"> <li>● Required Skills – both soft skills and technical skills .</li> <li>● Is the company a startup or a big organization?</li> </ul> <p>(ii) Make a report on any four Smart Cities of Nagaland.</p>

9	<p style="text-align: center;"><b>ART INTEGRATION PROJECT</b></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"> <li>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.</li> <li>2. Explore the vital role of human resources in preserving heritage and sustaining the cultural legacy of Nagaland.</li> <li>3. Create your own artworks inspired by Naga culture. This could include paintings, sketches, sculptures, or any other form of visual expression.</li> <li>4. How can art contribute to preserving Naga culture? What challenges do artisans face in sustaining their traditional practices?</li> <li>5. Suggest what measures should be taken by the State Government to promote tourism in Nagaland?</li> </ol>