



**BANYAN TREE SCHOOL
LODHI ROAD**

Holiday Home Work
Grade X

| Subject | Description |
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| English | <p>Complete the following HHW as per the instructions given:</p> <ol style="list-style-type: none">1. Attempt ANY TWO of the following:<ul style="list-style-type: none">· Self-composed poem· Original story· Article<p><u>Instructions:</u> Attempt the question on coloured A4 size sheets. You may also include pictures.</p>2. Analytical Paragraph writing (ANY TWO) <u>Instructions:</u><ul style="list-style-type: none">v Attempt the question on coloured A4 size sheets.v Select any TWO questions and attempt the Analytical Paragraphs.3. Read a novel (based on the themes of the books 'First Flight' or 'Footprint Without Feet'). Prepare a report on it which should address the following questions/topics:<ol style="list-style-type: none">a) Make a cover pageb) About the authorc) Summary of the noveld) Favourite quotations from the novele) Favourite characterf) Change the ending of the novelg) Would you recommend the novel to your friend? Why/Why not?<p><u>Instructions:</u> Attempt the question on coloured A4 size sheets.</p> |
| Hindi | <ol style="list-style-type: none">1. बड़े भाई साहब पाठ पर कॉमिक बुक का निर्माण कीजिये । |

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| | <ol style="list-style-type: none"> 2. बड़े भाई साहब पाठ में बड़े भाई साहब और छोटे साहब में कौन नायक है और क्यों? 3. समास के प्रत्येक भेद के दस दस उदाहरण लिखिए। 4. भक्ति काल के किन्हीं 2 कवियों के बारे में जानकारी प्राप्त कर उनकी जीवनी पर परियोजना कार्य कीजिये। |
| <p>Mathematics</p> | <p>Activity:</p> <ol style="list-style-type: none"> 1. Make a model of the Prayer Wheel (Buddhism). Length should not be more than 20cm. Give a short writeup on the significance of the Prayer Wheel. Find the TSA ,CSA and Volume of the Prayer Wheel. 2. Draw a mind map on Polynomials. 3. Create a crossword with 10 clues down and 10 clues across on the new mathematical terms used in the first three chapters. <p><u>Art Integration Work</u></p> <p>The symbolism in Warli art represents the circle of life. The triangle symbolises mountains and trees. The square indicates a sacred enclosure for the mother goddess, symbolising fertility, while the circle represents the sun and the moon. Bring out the artist in you and draw a beautiful Warli art on an A3 size sheet, you can make a wall hanging, or or a lamp shade . Give a short write up on the Warli art.</p> <p>Instructions:</p> <ol style="list-style-type: none"> 1. Activity has to be handwritten. 2. Only A4 coloured sheets to be used. <p><u>Activity Work-Math Files</u></p> <p>Objective</p> <p>To verify the conditions for consistency of a system of linear equations in two variables by graphical representation.</p> <p>Consider the three pairs of linear equations</p> <p>1st pair: $2x-5y+4=0$, $2x+y-8 = 0$</p> <p>2nd pair: $4x + 6y = 24$, $2x + 3y =6$</p> <p>3rd pair: $x-2y=5$, $3x-6y=15$</p> |
| <p>Science</p> | <p>Activity 1:</p> <p>With new research on energy consumption emerging all the time, more and more people are looking for different ways to reduce their eco-</p> |

footprint and become more energy efficient. There are numerous ways to conserve energy at home, with one of the easiest changes being lighting. Lighting is said to be the fourth largest energy consumer in residential homes, contributing to about 10-20% of your overall energy bill, so a simple change to energy-efficient bulbs can go a long way in reducing your household eco-footprint and saving your money.

1. List down four different types of bulbs used for lighting along with the images.
2. Compare the characteristic properties for each one on the basis of
 - Composition
 - Life span
 - Brightness and colour
 - Energy consumption
 - Cost
3. A bulb's energy efficiency is usually measured by how much energy it requires compared to how much energy is required by a traditional incandescent bulb to produce the same amount of light.
So, is there one type of energy-efficient light bulb that's overall "better" than the rest? Justify.

Instructions:

1. Activity has to be handwritten.
2. Only A4 coloured sheets to be used.
3. Point 1 – one/two pages
Point 2 – for each characteristic properties at least one page per bulb.
Point 3 – one/two pages

Activity 2:

Maintenance of living organisms is essential even if they are moving, resting or sleeping. The processes which together perform the function of maintenance of "Life" are called Life processes.

The essential life processes are

- Nutrition

- Respiration
- Circulation
- Reproduction
- Excretion

Select any **one life Process** and compare it in Plants and Human beings.

(i) Pictorial depiction of the life process in Plants and Human beings.

(ii) List down the main differences of the chosen life process and express them in tabular form.

Instructions:

1. Activity has to be handwritten.
2. Only A4 coloured sheets to be used.
3. Point 1 – two A-4 sheet (one for each case)
Point 2 – one /two A-4 sheets

These two activities will be assessed as Internal assessment.

PROJECT: Management of Natural Resources

'Jal Bachao Abhiyan": Sustainability of Water Resource

Water as a natural resource has been a valuable possession for mankind and from time immemorial , its conservation and techniques to conserve it have been of prime importance for all of us !

The problem of water is not running out of water but it's all about how to allocate a fixed resource. The country is staring at a grave due to the water crisis affecting human life.

According to the Union Ministry of Agriculture, the groundwater level has fallen alarmingly from India's looming water crisis. A Composite Water Management Report asserts that the demand for water will be twice its availability by the year 2030, indicating severe water scarcity. India has about 17% of the world's population, but only 4% of the world's freshwater resources, according to official reports. That makes it one of the most water-stressed countries on the planet and raises questions about the future of food production.

Let us explore these techniques of water conservation from the past and as well reflect how much of these traditions are we taking forward for the benefit of self and future generations.

Make a Journal of 12 to 15 pages. The guidelines are given below:

- Draw a comparative account of water conservation technique being practiced in earlier times such as – kuls, johads, kunds, baolis, jhalaras, ahar pynes ,tankaas,Eri, etc with a water conservation technique being practiced in modern times. (rain water harvesting , grey water recycling, water metering etc)

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| | <ul style="list-style-type: none"> ● You need to show the design of both the techniques – ancient versus modern and give highlight points of reference for each technique. Mention the region where each of these techniques are being followed. ● Mention a water conservation system that is being followed in Delhi-NCR area along with a detailed plan of the same. ● Elaborate on water conservation technique being followed in any one of the regions mentioned here – (i) Karnataka (ii) Gujrat (iii) Rajasthan (iv) Chennai <p style="text-align: center;">Acknowledgement, Certificate, Bibliography to be written but it does not count as a page in the project.</p> <p>This journal will go in your portfolio file for the CBSE Internal Assessment Submission record.</p> <p><u>Parameters of Assessment:</u></p> <ul style="list-style-type: none"> ● Content, correct facts and originality - 2 marks ● Presentation - 2 marks ● Submission on time - 1 mark |
| Social Science | <p>Any one project from the following topics to be made:</p> <p>Consumer Awareness</p> <p>OR</p> <p>Social Issues</p> <p>OR</p> <p>Sustainable Development</p> <p>Instructions:</p> <ol style="list-style-type: none"> 1. The project has to be handwritten. 2. Only A4 sheets to be used (Ruled, coloured sheets can be used.) 3. Minimum number of pages should be 20. 4. Acknowledgement and Certificate to be written but it does not count as a page in the project. 5. Bibliography is also required. <p>Parameters of Assessment:</p> <ol style="list-style-type: none"> i. Content accuracy, originality – 2mks ii. Presentation – 2mks iii. Viva Voce – 1mk |