



DBN SR SEC SCHOOL, AJMER

SUMMER HOLIDAYS HOMEWORK 2022-23



Dear Students,

Summer Vacation is the most awaited time for both parents and kids. Vacation is the time for the children to explore their myriad interest and indulge in various activities which would lead to their all-round development.

We, at **DBN**, understand it very well. Considering this, we have tried to keep the homework simple, informative, interesting and fun filled.

For you, it may be time to smile and play, Summer Vacations begins from 12th May 2022.

We will miss you at school and wait for the lovely day, When you are back making our days lively and gay. At home, help your mother and have a lot of fun, play indoor games, be in shade, away from the sun. Read a while, don't forget to do a page of writing.

Spread happiness and joy, with no refusal and no fighting.

In accordance with the guidelines of CBSE, we are incorporating integrated project-based learning wherein students will prepare projects for all the subjects based on a common theme. This endeavor has been taken up with the objective of inculcating the approach of integrating diverse subjects or fields and the spirit of collaborative learning. The school has planned a vacation homework in the form of Integrated Project to ensure that every student do not stay out of the learning path.

Wish you all safe and healthy holiday ahead!

Principal



CLASS-X

Sub-English Core

Holiday Homework

* This work is to be done in group of 4.

1. Prepare a project file on a poet which is prescribed in your syllabus.

Page- 1- Cover page

Page 2-- Acknowledgement

Page 3- Certificate

Page 4- Index

Page 5- About the poet

Page 6- Timeline

Page 7-13- poems by the poet

page 14 -Writing style of the poet page 15- Bibliography

Page 16- List of works done by students with their names

Decorate the file and paste pictures.

2. Make a PPT on the poet.

One of you will explain the PPT in English.

Sub-HINDI

1. जार्ज पंचम की नाक पाठ में निहित व्यंग्य समझाते हुये बताओ कि मानसिक पराधीनता से मुक्ति पाना क्यों आवश्यक है ।
2. 'जार्ज पंचम की नाक' पाठ में 'नाक' के माध्यम से समाज पर क्या व्यंग्य किया गया है ।
3. 'लक्ष्मण -परशुराम संवाद' के तीनों पात्रों-राम, लक्ष्मण और परशुराम के स्वभाव की विशेषता बताए ।
4. लक्ष्मण -परशुराम संवाद में लक्ष्मण और परशुराम दोनों ही मर्यादा का उलंघन करते दिखायी देते हैं । इस कथन पर अपने विचार लिखो ।
5. अनुच्छेद लिखो -
 - (अ) मानव और प्राकृतिक आपदाएं
 - (आ) जीवन में प्रतियोगिता का महत्त्व
 - (इ) ऐतिहासिक यात्रा
 - (ई) सफलता की पूँजी: मन की एकाग्रता
 - (उ) मेक इन इंडिया
6. निम्नलिखित पर विज्ञापन बनाओ-

- प्रदूषण मुक्त भारत हम सबका लक्ष्य है जनता का ध्यान आकर्षित करते हुए 25-30 शब्दों का विज्ञापन तैयार करो ।
- आपके क्षेत्र में नया वाटरपार्क खुला है ,पर्यटकों का ध्यान आकर्षित करते हुए 50 शब्दों का विज्ञापन तैयार करो ।
- गुड मोर्निंग चाय के विक्रेता हेतु आकर्षक विज्ञापन 50 शब्दों में तैयार करो ।
- विश्व पृथ्वी दिवस में पृथ्वी की सुरक्षा हेतु आकर्षक विज्ञापन 50 शब्दों में तैयार करो ।

कक्षा में बताये गये विषय पर प्रोजेक्ट और पोर्टफोलियो फाइल पूरी करके लानी हैं।

पोर्टफोलियो फाइल में पढाये गए पाठों की पाठ्यतर सक्रियता A4 साइज़ शीट पर पूरी करके लानी हैं।

Sub-Mathematics

- 1) Activity Draw the graph of a quadratic polynomial and observe the shape of the curve.
 - i) When the coefficient of x^2 is positive.
 - ii) When the coefficient of x^2 is negative.
 - iii) When the coefficient of x^2 is zero.

Paste the graph of the following activity in maths note book

- 2) Activity Take a rectangular sheet of chart paper of 30 cm X 15 cm, find the change in volume of cylinder made by folding a rectangular sheet of paper along length and then along its breath . Write difference in their volumes
- 3) Revise and practice lesson 1 & 2 and complete maths notebook.

Sub-PHYSICS

1. Solve your first periodic paper in your notebook and write down solution of all the questions (with numerical) related to the topic "Reflection of Light" from your text book in your notebook.
2. Prepare physics project file on any topic from your physics part of science text book and should be at least 10 pages

TOPIC	CHAPTER'S NAME	ROLL NUMBER
Image formation by spherical mirrors	Light-reflection and refraction	2 , 12 , 22 , 32
Refraction of light and the refractive index	Light-reflection and refraction	1 , 11 , 21 , 31
Image formation in lenses using ray diagrams	Light-reflection and refraction	3 , 13 , 23 , 33
Refraction of light through a prism and dispersion of white light by glass prism	The human eye and colourful world	4 , 14 , 24 , 34
Electric potential and potential difference & circuit diagram	Electricity	7 , 17 , 27 , 37
Ohm's law and factors on which the resistance of conductor depends	Electricity	5 , 15 , 25 , 35
Resistance of a system of resistor (series and parallel combination)	Electricity	6 , 16 , 26 , 36
Heating effect of electric current and practical applications of heating effect	Electricity	8 , 18 , 28 , 38
Magnetic field and field lines	Magnetic effect of electric current	9 , 19 , 29 , 39
Electromagnetic induction and Fleming's right hand rule	Magnetic effect of electric current	10 , 20 , 30

Sub-CHEMISTRY

PROJECTS

S.No.	Names of Projects.	Page No. (in NCERT)	Roll no.
1	Names of chemical reactions.	06.	1,11,21,31,41
2	How strong are acid and base solution.	25.	2,12,22,32,42
3	Importance of pH in everyday life.	26.	3,13,23,33,43
4	Common Salt: A raw material for chemicals.	30.	4,14,24,34,44
5	Are crystals of salts really dry.	32.	5,15,25,35,45
6	Extraction of metals.	49.	6,16,26,36
7	Refining of metals with steps chart	52.	7,17,27,37
8	Corrosion ,Preservation.	53.	8,18,28,38
9	Some important carbon compounds ethanol and ethanoic acids.	71	9,19,29,39
10	Soaps and detergents . Micelles.	74.	10,20,30,40

Above are project names with their pages (page no. May vary by one or two no. On the basis of edition of book you have)

Students need to Projects on the basis of roll no. they have in class.

Project should be of 10 pages

Sub-BIOLOGY

- Q.1 Differentiate between autotrophic and heterotrophic mode of nutrition?
- Q.2 What are biocatalysts?
- Q.3 What is a food vacuole?
- Q.4 Name the digestive juices found in human digestive system?
- Q.5 What are dental caries?
- Q.6 Draw a table showing various components of food and their digestive enzymes with the end products in human digestive system.

Sub-Social Science

Prepare a project file of about 15 pages on one of the topics given below:

1. Consumer awareness
2. Social issues
3. Sustainable development (Geography/Economics)

Note: Your project must include pictures and relevant content.

Sub-Information Technology

1. What are Styles? What are the advantages of using styles
2. Give any four styles supported by OpenOffice.org
3. How can we create our own styles
4. Explain any four Graphic filters.
5. Explain Image Cropping
6. List any three methods of inserting images in a text document.
7. What do you understand by the terms:
 - a. Text Wrapping
 - b. Anchoring
8. What are templates?
9. What are the advantages of using templates?
10. What is the difference between styles and templates?
11. Explain different ways of creating a template.