

D.A.V. Public School, Kota(Raj)
Holiday Homework
2021-22

Note - All holiday homework is to be submitted in soft copy.

ENGLISH

Group 1- PORTFOLIO

We communicate with our friends, teachers, relatives, and superiors verbally or through letters, emails, etc. We can't communicate with any mortal using our mind. On the contrary, we convey our thoughts with God mentally, not through letters or mails. Share your views regarding the same. Also compare LENCHO's innocence with the protagonist of the movie PK.

Group 2- PORTFOLIO

The recent tragedy of Corona Virus initiated from China is an example of Human Desire to overpower the world. There are many ideas about how the world will end'. Do you think the world will end someday? Have you ever thought what would happen if the sun got so hot that it burst', or grew colder and colder?

Explain the symbolism of Human emotions: Desire and Hatred keeping in mind poem 'FIRE and ICE'.

Suggest some ideas how we can make this world a better place to live by keeping away Desire and Hatred.

Instructions to make portfolio

Add or draw pictures or mind maps to make your work look creative.

Use A4.Size Sheets, (10sheets approx)

Group 3-PPT

Prepare an impressive presentation (PPT) on Figures of Speech

Group 4-PPT

Prepare a PPT on Formal Letter Writing and its types.

Group 5 - FOLDER

Maintain a dictionary folder by reading English newspapers and watching your favorite shows (English). Note down FIVE WORDS daily that you see and hear in your folder. Refer the internet and also learn the meaning of the words.

Group 6 - Video

Prepare an online presentation on the famous personalities.

- 1. Bill Gates**
- 2. Nelson Mandela**
- 3. Charlie Chaplin.**
- 4. Lata Mangeskar(Choose any two)**

HINDI

GROUP 1.

राष्ट्र कवि मैथिलीशरण गुप्त के व्यक्तित्व और कृतित्व को आधार बनाकर उन पर एक लघु शोध फाइल तैयार कीजिए जिनमें उनके बारे में विस्तृत जानकारी के साथ उनके द्वारा रचित कुछ चुनिंदा रचनाओं का भी समावेश हो।

GROUP 2.

वृद्ध आश्रम हमारी सामाजिक व्यवस्था पर एक प्रश्न चिन्ह है घर में बुजुर्गों की उपयोगिता महत्व और उनकी देखरेख के बारे में अपने विचार हरिहर काका पाठ को पढ़कर लिखिए।

GROUP 3.

कबीर एक उच्च कोटि के समाज सुधारक थे उन्होंने सभी धर्मों के बाह्य आडंबर और कुरीतियों को अपनी तीखी वाणी का निशाना बनाया है कबीर की कुछ चुनिंदा रचनाओं के आधार पर इस मंतव्य को स्पष्ट कीजिए। (Audio Recording)

GROUP 4.

मीरा के अतिरिक्त अन्य कृष्ण भक्त कवियों की सूची बनाइये तथा उनके विषय में जानकारी प्राप्त कर चार्ट बनाइये। (pdf)

GROUP 5.

खड़ी बोली हिंदी तथा ब्रज भाषा के कवियों को अलग - अलग सूचियों में विभाजित कीजिए। (slide show)

GROUP 6.

निम्नलिखित विषयों पर विज्ञापन तैयार कीजिए

(अ) 'घर में रहो , सुरक्षित रहो: कोविड 19'

(ब) 'भारतीय बैंकिंग : हमारी अर्थ सेना।

SANSKRIT

GROUP 1.

पंच चित्राणाम् 5-5 वाक्यानि संस्कृतेन लिखत। (चित्रैः सह)।

GROUP 2.

पंच पत्राणां रिक्तस्थानानि पूरयित्वा लिखत।

GROUP 3.

त्रिंशत्(30) वाक्यानां संस्कृतेन अनुवादत।

GROUP 4.

20 सन्धिः शब्दानां विच्छेद सहितं लिखत।

MATHS

Lab Activities

**** The following activities have to be done individually in lab manual by each student.**

- 1. Pair of Linear Equations in two variables (Draw 3 graphs based on three conditions of consistency).**
- 2. Prove Pythagoras Theorem by Activity Method.**
- 3. Verify the ratio of areas of two similar triangles is equal to the ratio of the squares of their corresponding sides.**
- 4. Arithmetic Progressions: Prove that sum of first n natural numbers is**
- 5. Prove that lengths of Tangents drawn from an external point to a circle are equal.**
- 6. Right Circular Cone: To make a Right Circular Cone of given slant height and circumference of circular base and to find its radius and height.**

Projects

GROUP 1.

Make a detailed Powerpoint presentation of any three prominent historical structures with regard to the mathematical concepts and drawings used and mention them in your presentation.

GROUP 2.

Collect the data of your city of the daily COVID cases and recovery cases day wise for 10 days from 16th May to 30th May 2021 and represent it in both tabular and graphical form analyzing the data through bar graph. The graph can be plotted on Geogebra, simple excel sheet or any other software that you have learnt in your computer class.

GROUP 3.

Make a Powerpoint presentation on any three Indian Mathematicians showing their life history and contribution in the field of Mathematics.

GROUP 4.

Make a PPT on two mind maps each based on Volume and Surface Areas of solids

GROUP 5.

Using Tangram pieces make two figures and find its area. This can be either a PPT or PDF.

GROUP 6.

Make PPT of two crossword puzzles related to any two topics in your syllabus in Mathematics using Mathematical terms.

SCIENCE

Group number	Topics
1	<p>Prepare PPT/ project of a simple circuit diagram. Collect the information for different components used in it. Write their uses and how to connect them..</p> <p style="text-align: center;">OR</p> <p>Make an analysis of different electrical instruments which are available at your home (TV, AC). Hence calculate energy consumed by them. If minimum usage is 6 hours per day per appliance calculate the electric bill for June month</p>
2	<p>Students are required to make their projects online using various app like PowerPoint Presentation ,</p> <p>Prezi , Tween crafts etc.</p> <p>By using one of the various online applications make a Poster on</p> <p>"Radioactive Waste Disposal"</p> <p style="text-align: center;">Or</p> <p>Using science toons depict the following:</p> <p>"Excessive use of pesticides and harm to mother Earth."</p>

<p>3</p>	<p>NOTE:- Students are requested to submit their Holiday Homework in a form of a POWERPOINT PRESENTATION. They can use various ways of expressing their data like a collage of the experiment, powerpoint presentation etc.</p> <p>Study and analyze the chemical nature, data ,factors affecting (if any) and prepare a proper report on the following topics:-</p> <p>(I) What percentage of Orange (fruit) is water?</p> <p>(II) Do white candles burn at a different rate than coloured candles?</p> <p style="text-align: center;">Or</p> <p>Study and analyze chemical nature, data, factors affecting and prepare a proper report -</p> <p>(I) Does the presence of detergents in water affect plant growth?</p> <p>(II) How do difference in surfaces affect the adhesion oftape on them?</p>
<p>4</p>	<p>Prepare PPT/ Project of series and Parallel combinations of resistance. Give their practical use in daily life with examples.</p> <p style="text-align: center;">OR</p> <p>Collect information and prepare PPT or video about new innovative products made by easily available materials.</p>

<p>5</p>	<p>Students are required to make their projects online using various app like PowerPoint Presentation , Prezi , Tween crafts etc.</p> <p>To make a Survey report on comparative study of alternative sources of energy like</p> <ul style="list-style-type: none"> ● Solar energy ● Hydro energy ● Geothermal energy ● Wind energy <p>Also mention its advantages and disadvantages and how we can switch over to them in near future.</p> <p style="text-align: center;">Or</p> <p>Make a picture gallery on the Greenhouse effect, its causes and steps to reduce it.</p>
<p>6</p>	<p>Study ,analyze and report the data collected in proper report -</p> <p>(I) Does the storage temperature affect the pH of juices ?</p> <p>(II) Do Oranges (fruit) gain or lose Vitamin C after being picked up?</p> <p style="text-align: center;">Or</p> <p>pH in limited range is important for proper functioning of living organisms .Make a report where changes in pH causes damage to</p> <ol style="list-style-type: none"> 1.Plants 2.Animals 3.Human Being

Note :Students are also required to complete their Lab Manuals.

SOCIAL SCIENCE

GROUP 1.

Design a brochure or wall painting advertising consumer awareness including rights given by COPRA with some catchy slogans.

GROUP 2.

Prepare a PowerPoint Presentation or Google sheet to highlight the need for sustainable development.

GROUP 3.

Write a brief report on the current status of health and education in India using lots of pictorial or graphical tools to present the data, such as bar graph line graph pie chart.

GROUP 4.

Write a script/ Blog focusing the issue of illiteracy as a root cause of all the problems in developing countries.

GROUP 5.

Make a collage by using newspaper cuttings on poverty and unemployment. Also write a brief report explaining the various causes of poverty and measures to eradicate poverty.

GROUP 6.

Write a brief report/ an article showing how females are proving their mettle in the present situation.

(Including real life stories)

