DAV POLICE PUBLIC SCHOOL PANCHKULA
Summer Holiday Assignment
Grade -IX (2023-24)

Dear Children

Summer Vacation is a time full of fun games and activity. With that there are a lot of other things which you can do. For that we have planned some interesting work and activities to make your summer full of creativity.

Have a great Summer Vacation

IMPORTANT TIPS FOR PARENTS AND STUDENTS

- ➢ **Take good care of your health and hygiene. Avoid heavy and oily food and increase intake of fresh fruits and water to keep yourself well hydrated and energetic.**
- ➢ **The holidays home work must be done in a very neat and presentable manner.Questions must be done in the given sequence.**
- ➢ **The child will be assessed for the presentation , neatness completition of all the given questions and timely submission.**
- ➢ **Communication will play pivotal role in grooming the overall personality of children. Converse your child preferably in English.**
- ➢ **Maintain a beautiful decorated folder for holiday homework. It should be labelled properly indicating clearly the name , class , section and subject.**
- ➢ **English,Maths, Science, Social Science, Hindi, Sanskrit,Punjabi Information Technology and Music are given. Make your ward do the same.**

HOLIDAY HOMEWORK SUBMISSION SCHEDULE

S.NO	SUBJECT	SUBMISSION DATE
1	English	July 13, 2023
2	Hindi	July 15 , 2023
3	Mathematics	July 12, 2023
4	Science	July 8, 2023
5	Social Science	July 7, 2023
6	Information Technology	July 8, 2023
7	Music	July 14 , 2023
8	ART	July 8, 2023

ENGLISH

- Holidays are the best time to give time to your aesthetic taste of reading and writing.So let's do some fun activities and enhance our skills.
- i.Make a Project work on the topic Why Manipur will be your favourite destination for Holiday? (food ,dress, tourist places, living style).Also tell about the present condition of the people living over there,as it is a burning issue nowadays.Gather information from Newspaper.Also Paste pictures and cuttings.
- ii.Make a PPT of all the chapters read in class a(short summary and value inculcated through the chapter in your own words)
- iii.Write form of the Verbs(150) in your fair notebook of Grammar.Also learn them by heart.Complete Module of Tenses in BBC Compacta.
- iv.Make a comic strip of The Lost Child.
- v. Read your favourite book or watch your favourite movie and Prepare Book Review for the same.
- vi.Write down at least 10 literary devices used in poetry.Giving meaning and examples on a chart.

हिंदी

Learning work

(1) 3-6-2023 तक जितने पाठ कक्षा में लिखवाए गए है उनके प्रश्नोत्तर याद करें |गद्य भाग व पद्य भाग(

(2) प्रतिदिन एक पेज सुलेख के रूप व प्रतिदिन एक पेज डायरी के रूप में लिखें |

Project work

(3) पता कीजिए कि कौन से साँप विषैले होते हैं | वे किन देशों में पाए जाते हैं उनके नाम और उनके देशों में कौन से राष्ट्रीय उद्यान हैं उनके बारे में A4 रंगीन शीट पर लिखें |

(4) अनुक्रमांक 1से 5 पाठदुःख का अधिकार पर P.P.T बनाएँ ,अनुक्रमांक 5से 10पाठ गिल्लू पर P.P.T बनाएँ अनुक्रमांक 11से 15एवरेस्ट मेरी शिखर यात्रा पर P.P.T बनाएँ अनुक्रमांक 20 से 16स्मृति पर P.P.T बनाएँ ,अनुक्रमांक 21 से 25 दोहेपर P.P.T बनाएँ ,अनुक्रमांक 26 से 32 तुम कब जाओगे अतिथि पर P.P.T बनाएँ |

(5) राष्ट्रपति द्रौपदी मुर्मू जी के विषय मे एक डॉक्यूमेंट बनायें जिनमें उनकी शिक्षा ,उनके राजनितिक सफर के विषय मे वर्णित हो I

(6) नीति संबंधी अन्य कवियों के दोहों व कविताएं एकत्रित कीजिए और उन दोनों कविताओं को चार्ट पर लिख कर भित्ति पत्रिका पर चिपकाएँ|

(7) स्वतंत्रता सेनानियों की सूची तैयार कर उसका टेलीस्कोप बनायें |

Art Integration Activity

(8) हरियाणा व मणिपुर के रहन सहन के विषय पर पी| पी.टी या कोलाज बनाएँ.

MATHEMATICS

CHAPTER 1

1. Express $0.1\overline{25}$ in simplest form.

2. Simplify: $\frac{5+\sqrt{3}}{7-4\sqrt{3}} - \frac{5+\sqrt{3}}{7+4\sqrt{3}}$

3. If x= 3-2$\sqrt{2}$,find the value of the value of $\sqrt{x} + \frac{1}{\sqrt{x}}$.

4. **I** The simplest form of $\frac{\sqrt{64}}{\sqrt{2}}$ is: ..

II. Find a and b, if $\frac{2\sqrt{5}+\sqrt{3}}{2\sqrt{5}-\sqrt{3}} + \frac{2\sqrt{5}-\sqrt{3}}{2\sqrt{5}+\sqrt{3}} = a + b\sqrt{15}$

CHAPTER 2

5. . Factorise: $x^4 - y^4$

6. **.**If x+y+2 =0, then $x^3 + y^3 + 8$ equals

7. Factorise $x^3 - 6x^2 + 11x - 6$

8. **.**Factorise $27p^3 - \frac{1}{216} - \frac{9}{2}p^2 + \frac{1}{4}p$.

9. Ram has two rectangles in which their areas are given.

a) $25a^2 - 35a + 12$ b) $35y^2 + 13y - 12$

      1) Give possible expression for the length and breadth of each rectangle

      2) Which mathematical concept is used in this problem?

      3) What value is depicted in this problem?

10. If $p = \left(\dfrac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}\right)$ and $q = \left(\dfrac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}\right)$, find the value of $p^2 + q^2$

NOTE: Paste the worksheet in maths notebook and solve it.

PROJECT: Study of natural and man-made forms, humanfigures, birds, animals, vegetation and other objectslike household items, buildings etc.Prepare a statistical data on above information in comparison of Haryana and Manipur and present it in pie chart form

Lab. Manual: Do complete activities of Chapter 1,2 and 3

SCIENCE

ACADEMIC PROJECT-MODELS:
- SATELLITE COMMUNICATION MODEL – Roll No. – 1-5
- SMART CITY MODEL Roll No. –6-10
- SOLAR ENERGY CITY MODEL Roll No. – 11-15
- TYPES OF MOTION MODEL Roll No. – 16-20
- SAVE ENVIRONMENT MODEL Roll No. – 21-24
- WASTE WATER TREATMENT MODEL Roll No. – 25-27

LEARNING WORK
- Learn and revisechapter-1,2,5,8.
- Learn NCERT Questions of chapter-1,2,5,8 .

WORKSHEETS:
- Do worksheets of chapter-1,2,5,8in your class notebook.
   NOTE: Pdf of worksheets will be provided in class group.

Social Science

LEARNING WORK

SUBJECT	CHAPTER
HISTORY	CH- French Revolution
GEOGRAPHY	CH- India- Size and location
	CH- Physical Features of India
ECONOMICS	CH- Story of Village Palampur

MODEL MAKING (ART INTEGRATION) : - To prepare a model on "Physical Features" of the following states; USING WASTE MATERIAL.

          HARYANA STATE: - IX-D

          MANIPUR STATE: - IX-R

PROJECT WORK: - To prepare "project file" on the theme of Disaster Management. Topics have been duly mentioned

in student's diaries.

INFORMATION TECHNOLOGY

• Create a presentation on topic " different types of operating system".
• Create a doodle art on A4 size colored sheet on topic " Technology in daily life".

MUSIC

1.Shanti path
2.National Anthem without any mistake
3. Learn (Om hi sari srishti ka aadhar hai)
4.Learn DAV anthem
5.learn Vande matram
6.learn Any one patriotic song out of three
A. Aye mere watan ke logon
B.Mere desh ki dharti
C.Jahan daal daal par sone ki

ART

● Draw abstract art size A3
● Make any one craft with ice cream sticks .
● Make one collage art
● Draw one stripping(dot work) art