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DAV PUBLIC SCHOOL SAMANA
(SENIOR SECONDARY)
CBSE AFFILIATED-1630571



SUMMER

Holidays



HOMEWORK

Session-2023-24

CLASS - XI
SCIENCE



CIRCULAR FOR SUMMER VACATION

Respected Parents

Namaskar / Sat Shri Akal

Happiness is blossoming in the year. Long awaited Summer holidays are again ready to welcome you with their warm showers! Life needs to be balanced between fun and work. Summer Vacation give a chance for students to relax, visit friends and family, travel to see places and basically chill out enjoying those little pleasure of life which are left behind during the busy school routine. During holidays, leisure replaces work as a priority.

The Summer Break is scheduled from 01-06-2023 to 02-07-2023 for classes Nursery to 12th and school will reopen on 03-07-2023 (Monday) So, 31st May, 2023 will be the last working day for classes Nursery to 12th.

Besides relaxing, the students should keep in mind the execution of the assigned work in well planned manner. To ensure that the children have a constructive and rejuvenating holidays, some Holidays Homework & Project are given which will keep them active and observant. These assignments can be easily done by the children under your guidance. These will indeed provide an enjoyable learning experience to them.

➤ The School Office will remain open on all working days between 9:00 a.m. to 2:00 p.m. during the Summer Vacations.

➤ Here are some productive tips for the students to spend their holidays in a healthy manner.

Do's

- ❖ Wake up early and develop a morning routine. Do yoga, meditation or just a brisk walk.
- ❖ Start learning a new skill like painting, dance, music or public speaking.
- ❖ Play games, sports and do a lot of physical activity, but only during the morning and evening hours.
- ❖ Help your parents in household chores and learn some useful skills.
- ❖ Carry on with the practice of wishing to elders by joining hands & touching their feet.
- ❖ All family members must try to take at least two meals together daily.
- ❖ Converse with your children in English.
- ❖ Encourage your child to develop the reading habit.
- ❖ Ensure that the choice of books he/she reads is purposeful while being entertaining.

Don'ts

- ❖ Do not waste all your time to playing video games, mobile games & surfing on social networking sites.
- ❖ Don't go out during the hours of peak sunshine. Try some interesting indoor activities.
- ❖ Don't have junk food.
- ❖ Don't oversleep and do not let laziness take you over. Stay active during the vacation.

Above mentioned guidelines will help your child to become a smart and an active learner.

HAPPY FATHER'S DAY

“Father is a great shield that protects us from every trouble and save us. So, say to your father that you are the one of the most powerful protector for me and my family.”

Father's Day is a celebration honoring fathers and celebrating fatherhood, paternal bonds, and the influence of fathers in society. To strengthen this bond, Let's celebrate **“FATHER'S DAY”** which falls on **18th June, 2023 (3rd Sunday)** this year. Prepare the complete detail about your father on colourful sheet and attach with Holidays Homework.

Wishing you and your ward a very fruitful vacation ahead!

Class Coordinators Contact Details

Sr. No.	Name	Designation	Class	Contact
1.	Ms. Shifali Bhandari	PRT	Nursery to 2 nd	7973838484
2.	Ms. Silki Yadav	PRT	3 rd to 7 th	9779666609
3.	Ms. Simranjit Kaur Mr. Ramphal Mehla	TGT	8 th to 12 th	9878895857 9876097728

Note : If you have any query related to any subject, you can contact to nominated HODs.

Details of HODs :-

<u>Sr. No.</u>	<u>Subjects</u>	<u>Classes</u> 3rd to 6th	<u>Classes</u> 7th to 10th
1.	English	Mr. Raja Robin (9988131114)	Ms. Sheetal Mohini (9465027093)
2.	Hindi & Sanskrit	Mr. Ganesh Prashad Bhatt (9997754817)	Ms. Anuradha Verma (8872117288)
3.	Punjabi	Ms. Jaspreet Kaur (7986651600)	Ms. Rajwinder Kaur (9478383064)
4.	Mathematics	Ms. Rishu Ghai (9780907117)	Mr. Damanpreet Singh (8264211149)
5.	Science	Ms. Anamika (8699509869)	Mr. Vineet Jood (7206531910) Mr. Mayank Sharma (7307027516)
6.	Social Science	Ms. Seema Rani (9465741012)	Ms. Rajni Rani (9780422755) Mr. Bittu Singh (9803506921)
7.	Computer	Mr. Nardeep Singh (9888372702)	Mr. Nardeep Singh (9888372702)
8.	Music & Dance	Ms Bindu Bala (7707806379)	Ms Bindu Bala (7707806379)
9.	Naitik Shiksha	Mr. Charanjot Singh (9877717098)	Mr. Charanjot Singh (9877717098)
10.	Physical Education	Mr. Ramphal Mehla (9876097728)	Mr. Ramphal Mehla (9876097728)
11.	General Knowledge	Mr. Karan Soni (6239320003)	Mr. Karan Soni (6239320003)

School Landline Contact No. s 01764-221815, 9878144815

E-Mail: davsamana@gmail.com, davsamana@yahoo.com Website: www.davsamana.org

Principal Mohan Lal Sharma



PT-1 Syllabus

Book Hornbill : Lesson :The Portrait of Lady

Poem : A Photograph

Book Snapshots: Lesson :The Summer of the Beautiful Horse

Holiday home work

Lesson 2 : We are not Afraid to Die

Prepare Time Line Chart

General Instructions:

1. Use A4 Sheet
2. Write Bio data
3. Mention the details of the different events as per the dates.

Reading : Read Lesson The Adventure



PT- 1 Syllabus- Unit-I: Units & Measurements

Unit-II: Kinematics

Prepare Key Notes of Unit – III : Laws of Motion.

Holiday Home Work

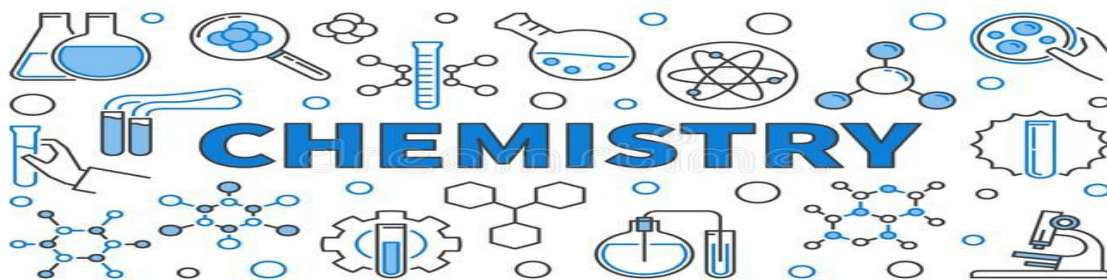
A. Write the following experiments in Practical file

1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier callipers and hence find its volume.
2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.

- To determine volume of an irregular lamina using screw gauge.
- To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.

Prepare a Investigatory Project on Unit - 10 (Waves & Oscillations)

Blank page/ Plane page	Ruled page
Use pencil Only	Use pen Only
Date..... No.....	Date..... No.....
Aim	Aim
Material required	Material required
Diagram	Procedure
Observations	Results



PT-1 Syllabus – Learn the following Units for Periodic Test:

- Chapter 1: Some Basic Concepts Of Chemistry
- Chapter 2 : Structure Of Atom

Holiday Home Work

Prepare Practical File of Following Experiments :

- Determination of melting point of an organic compound.
- Determination of boiling point of an organic compound.
- Crystallization involving impure sample of copper sulphate
- Determination of pH of some solutions obtained from fruit juices, solutions of known and varied concentrations of acids, bases and salts using pH paper or universal indicator.

5. Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing /decreasing the concentration of either of the ions.

6. Preparation of standard solution of oxalic acid.

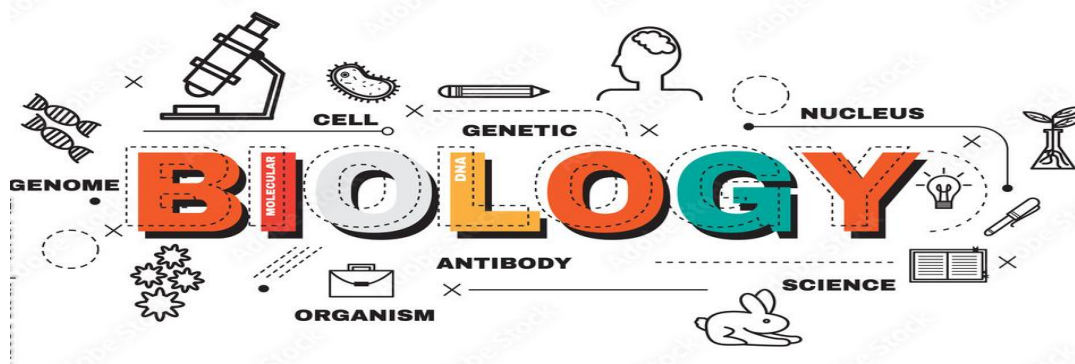
Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.

7. (a) Determination of one anion and one cation in a given salt

Cation: Pb^{2+} , Cu^{2+} , As^{3+} , Al^{3+} , Fe^{3+} , Mn^{2+} , Zn^{2+} , Ni^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+}

Anions: $(CO_3)^{2-}$, S^{2-} , $(NO_2)^{-}$, $(SO_4)^{2-}$, Cl^{-} , Br^{-}

(b) Detection of nitrogen, sulphur, chlorine, in organic compounds



Periodic Test Chapters

Learn the following Units for Periodic Test:

- 1- Breathing and Exchange of Gases
- 2- Body fluids and circulation

Holiday Home Work

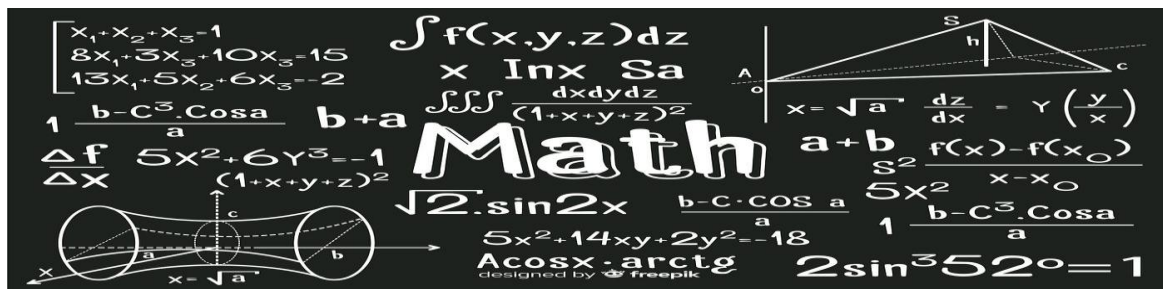
B)- Make an investigatory project on any topic of your choice contains

Cover page, Acknowledgement, Aim, Material required and content.

C)-Write the following experiment in practical file : -

1. Parts of a compound microscope.
2. Specimens/slides/models and identification with reasons - Bacteria, Spirogyra, mushroom, liverwort, one monocotyledonous plant, one dicotyledonous plant and one lichen.
3. Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liverfluke, Ascaris, earthworm, prawn, silkworm, rohu.
4. Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.
5. Different types of inflorescence (cymose and racemose).
6. Human skeleton and different types of joints with the help of virtual images/models only.

MATHEMATICS



Chapters for Periodic test -1 to be conducted after summer holidays:

Chapter 4: Complex Numbers

Chapter 5: Linear Inequalities

Chapter 6: Permutations and Combinations

Project work: - Model of Three Dimensional Geometry (8 Octants)

Instructions:-

- Prepare your model beautifully.
- Your explanation should be up to mark.

PHYSICAL EDUCATION



PT-1 Syllabus

Ch-1 Changing Trend & Career in Physical Education

Ch-2 Olympic Value Education

Ch-3 Yoga

Holiday home work

Prepare File on Yoga



PT-1 Syllabus

Theory-learn musical terms (Nada, shruti, thaat, raag, swar, jatti, laya, taal, saptak)

Holiday Home work

Practical- learn description of raagbhairvi, bhimplasi

Do practice of raagbhairvi 'sbandish and taan

COMPUTER SCIENCE



PT-1 Syllabus

Revise all April and May month syllabus of Computer Science

Holiday Home Work

Prepare Practical file of Python Programs with their output.

CREATIVE WORK

Prepare Charts on -

- Roll No. 1 to 4 - July Month Value Education Topic
- Roll No. 5 to 8 - August Month Value Education Topic
- Roll No. 9 to 12 - September Month Value Education Topic
- Roll No. 13 to 16- October Month Value Education Topic
- Roll No. 17 to 20- November Month Value Education Topic
- Roll No. 21 to 24 - December Month Value Education Topic
- Roll No. 25 to 28 - January Month Value Education Topic
- Roll No. 29 to 32 - February Month Value Education Topic
- Roll No. 33 to 36 - March Month Value Education Topic
- Roll No. 37 to 40 - Invitation Card
- Roll No. 41 to 44 - Good Thoughts
- Roll No. 45 to 48- Handmade Folder
- Roll No. 49 onwards - Make Frills for Board Decoration

NOTE- Month wise Value Education Topics are mentioned in your Study Plan.