

JPDAV PUBLIC SCHOOL

GARHI JHANJAHRA ROAD, GANAUR

UNDER THE DIRECT CONTROL OF DAVCMC, NEW

HOLIDAYS'
HOMework



Class: 9

MAY 29, 2023
TO
JULY 01, 2023

SESSION: 2023-24
A fully English medium and the
best school in area. For all-round
development of students

It will reopen on July 03, 2023.

TOGETHER WE CAN



Nothing is more powerful for your future than being a gatherer of good ideas and information. That's called doing your homework.

Jim Rohn

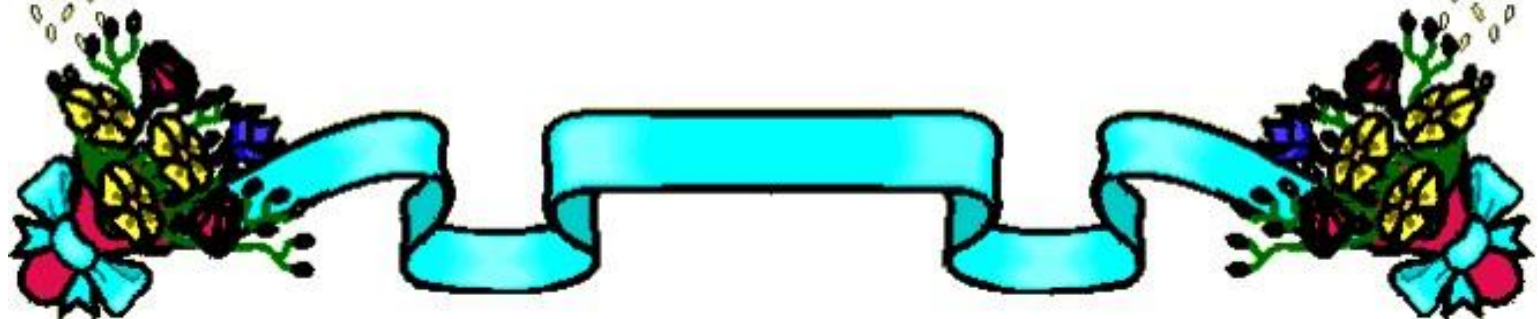
While doing your homework keep remembering Thomas A. Edison

When he says

Genius is one percent inspiration and ninety-nine percent perspiration. As a result, a genius is often a talented person who has simply done all of his homework.

Dean parents

We wish you a very happy and fruitful time with your children. Summer vacation is the most awaited time for the students as they want to play, enjoy and relish with their friends, neighbours and relatives. This is a time for them to stay away from the mundane schedule of daily life. They want to enjoy it in leaps and bounds. But we request you to keep their energy channelised. You should be a part of their enjoyment but time and again a check is required. Now it's your responsibility to make them stay connected with their studies along with fun and frolic & encourage them to do their homework in a neat and tidy manner.





Here are some of the suggested activities that you can do as a family:

- 1. Prepare a well being plan for self.*
- 2. Stick to routines or starting new ones.*
- 3. Get up and go to sleep at regular times.*
- 4. Help them explore new hobbies and interest.*
- 5. Do karaoke, read, solve puzzles, play board games, etc.*
- 6. Keep a gratitude journal. Writing down three things you are grateful for every day. Congratulate yourself and others on having a "MEGA DAY".*
- 7. Take out time for Reading, Music, Dance, Singing, Laughing.*
- 8. Set Challenges- Encourage each other to take up new activities and complete them.*
- 9. Be Creative with Space- Find a corner in the house and allow yourself and your children to decorate it.*
- 10. Involve your children in household activities also.*
- 11 Learn foreign languages through online courses available.*
- 12. Take them for outing to place of their interest & let them explore the world.*
- 13. Communicate with your children and let them know you fully.*

As parents you are requested to keep a watchful eye on your children and stop them from engaging in :

- 1. Excessive use of mobile phones.*
- 2. playing online games*
- 3. spending a lot of time alone away from family members.*

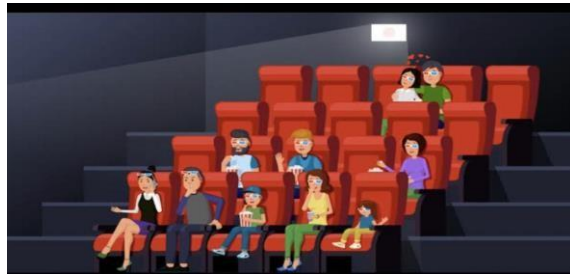
Be Safe



English

NOTE : DO YOUR HW IN RESOURCE FILE ONLY

- 1- Create your Digital Portfolio.
2. Look at the picture given below and Write a short paragraph on it.



3. look at the picture given below and write a short paragraph on it.



- 4- Prepare a poster on CAREER CHOICES.
- 5- Write the best five days DIARY ENTRY during the summer vacation.
- 6-Write an article for school magazine " How modern gadgets has changed our life".

Hindi

निम्न कार्य ए-4 शीट पर कीजिये |

- 1. अनुस्वार /अनुनासिक 2.विराम चिन्ह 3.संधि 4.उपसर्ग प्रत्यय (उदाहरण परिभाषा और पहचान)
- कोई दो सामाजिक और देशभक्ति नाटिका नेट से सर्च करके लिखिए |
- रहीम के किन्ही दो दोहों का गायन करके अपनी वीडियो बनाये |
- दुख का अधिकार पाठ पर बुढ़िया, बनिया भगवाना पर लघु एक्ट करके यूटूब वीडियो बनाये |
- पाठ ऐवरेस्ट मेरी शिखर यात्रा पाठ पर पीपीटी बनाये |
- अप्रैल से मई तक करवाया ज सारा कार्य याद करे |

Maths

NOTE: Do all these questions in fair note book

- Express the following decimals in the form of $\frac{p}{q}$
a) $0.\overline{32}$ b) $0.1\overline{23}$ c) $0.003\overline{52}$
- locate on the number line $\sqrt{10.4}$
- show that
$$\left(\frac{x^b}{x^c}\right)^a \left(\frac{x^c}{x^a}\right)^b \left(\frac{x^a}{x^b}\right)^c = 1$$
- find the value of x, if $5^{x-3} \times 3^{2x-8} = 225$.
- If $1176 = 2^a \times 3^b \times 7^c$, find a, b, c.
- If $a^x = b^y = c^z$ and $b^2 = ac$ show that $y = \frac{2zx}{z+x}$.
- Simplify: $\frac{\sqrt{5} + \sqrt{3}}{\sqrt{5} - \sqrt{3}} + \frac{\sqrt{5} - \sqrt{3}}{\sqrt{5} + \sqrt{3}}$
- $\frac{\sqrt{11} - \sqrt{7}}{\sqrt{11} + \sqrt{7}} = a - b\sqrt{77}$, find a and b.
- if $x = 3 + \sqrt{8}$, find the value of $x^2 + \frac{1}{x^2}$.
- If $x - \frac{1}{x} = 5$, find the value of $x^3 + \frac{1}{x^3}$.
- If $x+y+z=8$ and $xy+yz+zx=20$, find the value of $x^3+y^3+z^3-3xyz$.
- Factorize: $x^8 - y^8$.
- Factorize: $x^2 + 3\sqrt{3}x - 30$.
- Prove that: $\frac{0.87 \times 0.87 \times 0.87 + 0.13 \times 0.13 \times 0.13}{0.87 \times 0.87 - 0.87 \times 0.13 + 0.13 \times 0.13} = 1$
- Factorize: $a^7 + ab^6$

ACTIVITY / PROJECT

PREPARE A TANGRAM, COORDINATE GEOMETRY IN PRACTICAL FILE. (A sample of tangram will be shared in class whats app group)

Revise chapter 1, 2, 3, 4

Chemistry

Do the experiments on the basis of ch-1,2 is as follows: Practicals should be conducted alongside the concepts taught in theory classes.

(LIST OF EXPERIMENTS) 1. Preparation of: Unit-I a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of • transparency • filtration criterion • stability 2. Preparation of Unit-I a) A mixture b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of: (i) appearance, i.e., homogeneity and heterogeneity (ii) behaviour towards a magnet (iii) behaviour towards carbon disulphide as a solvent (iv) effect of heat 3. Perform the following reactions and classify them as physical or chemical changes: Unit-I a) Iron with copper sulphate solution in water b) Burning of magnesium ribbon in air c) Zinc with dilute sulphuric acid d) Heating of copper sulphate crystals e) Sodium sulphate with barium chloride in the form of their solutions in water II) Read ch-1 and 2 thoroughly and find out mcq's from them and write them in fair notebook. III) Prepare a collage on 5 states of matter.

BIOLOGY

1. Select any three fruits and vegetables of your choice and use these to show activity with hypertonic solutions, hypotonic solutions and isotonic solutions.

Record your activity in the form of a video of not more than 2 minutes. Also Prepare P.P.T to explain your observation and conclusion.

Explain disadvantages and advantages of both Exosmosis as well as endosmosis.

2. Write the following experiments in your Biology practical file. (Refer lab manual)

- i) Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells and to record observations and draw their labeled diagrams.
- ii) Identification of Parenchyma, Collenchyma and Sclerenchyma tissue in plants from prepared slides. Draw their labelled diagram.
- iii) Identification of Striped, Smooth and Cardiac muscle fibers and nerve cells in animals from prepared slides. Draw their labelled diagram.

3. Learn all the topics taught in the class.

4. Complete the revision notes of the following chapters

Ch-1 The fundamental unit of life

Ch-2 Tissues



Physics

Prepare a project on Newton's laws of motion or graphs on 'When the object is at rest, uniform motion and uniform acceleration. 2) Revise and learn chapters 8 (Motion), ch-9 (Force and laws of motion). 3) solve numericals in fair notebook a) A bus decreases its speed from 100 km/hr to 80 km/hr in 5 sec. find the acceleration of the bus. b) A racing car has a uniform acceleration of 2 m/s^2 . what distance will it cover in 5 sec after start? c) A stone is gently dropped from a height of 40m. If its velocity increases uniformly at the rate of 10 m/s^2 , with what velocity will it strike the ground? After what time will it strike the ground? d) A motorcar is moving with a velocity of 105 km/hr and it takes 5 sec to stop after the brakes on the motorcar if its mass along with the passengers is 1000 kg. e) An automobile vehicle has a mass of 1000 kg. what must be the force between the vehicle and road if the vehicle is to be stopped with a negative acceleration of 1.5 m/s^2 ? f) An object of mass 100 kg is accelerated uniformly from a velocity of 6 m/s to 8 m/s in 3 sec. Calculate the initial and final momentum of the object. Also find the magnitude of the force exerted on the object.

Social Science

1. Write a news report on the recent disaster in Orissa. Explain the details about the people, who are affected, count the loss of life and property and how the state government dealt with the situation. Use recent newspaper cutting and pictures and give a suitable heading also.
2. Make a beautiful project on the topic "Green Revolution".
3. Make a project of the main members of constitution assembly. (Take reference to chapter no.- 2- Political Science Constitutional Design) their contribution in constitution and life history. (Use scrap book for project file).

Information Technology (402)

1. Learn and Complete all that has been taught till now.
Chapter 1. Communication Skills – I
Chapter 2. Self – Management Skills – I
Chapter 3. Basic ICT Skills – I
2. Activity : Check the name of the Antivirus software installed in your computer/Laptop. Scan the drive to check for Virus.
3. Project Work from Chapter 3 Introduction to ICT, Role and Importance of ICT in our daily Life, ICT Tools, Operating System, Files and Folders Introduction to Internet, Applications of Internet, Websites and Web Pages, Email Accounts, Sending and Receiving Email, BLOG, TWITTER, FACEBOOK, YOUTUBE, WHATSAPP, DIGITAL INDIA

(Note : It must be for every student to prepare a Project file.)

4. Make a PowerPoint Presentation on the topic :- Describe the Role of ICT in Day to Day Life (Basic ICT Skills – I)

mail it on IX A and C (jitenderkumar@jpdavganaur.org) IX B (sanjeetvats@jpdavganaur.org)

Instruction : Students must be mention #/

Student Name + Roll + class + section.

