DAV PUBLIC SCHOOL

SRESHTHA VIHAR, DELHI

HOLIDAYS HOMEWORK

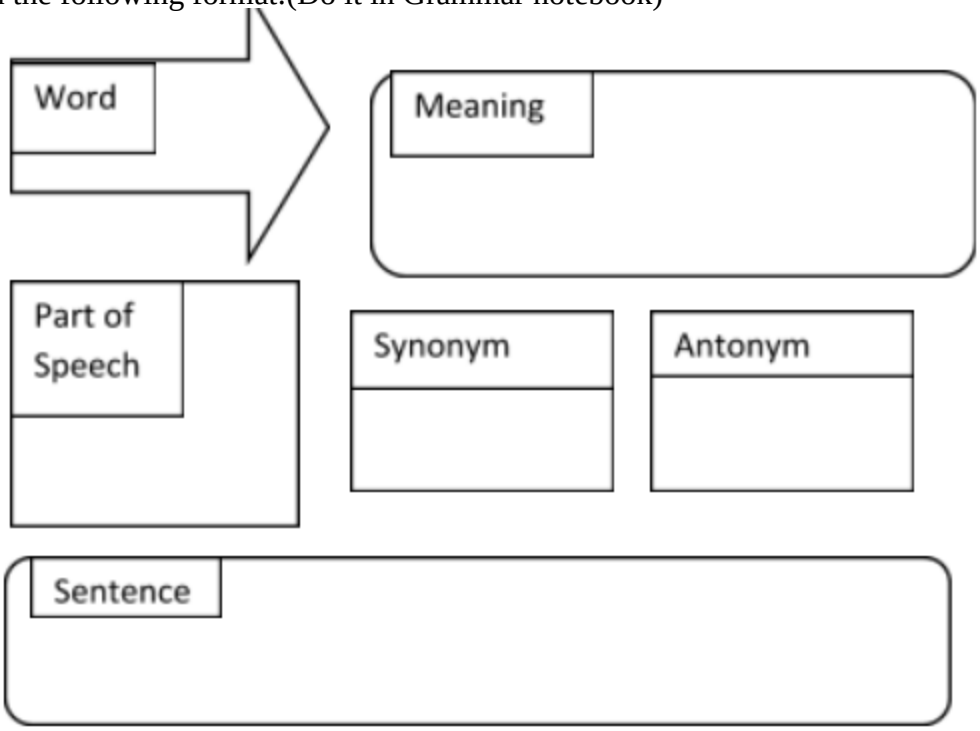
CLASS-VIII

ENGLISH

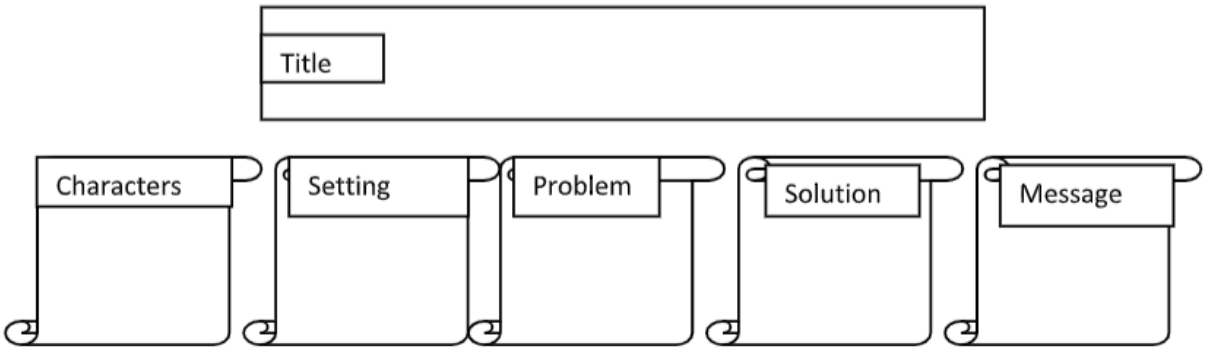
A. Write at least 10 Pages of handwriting neatly keeping in mind the correct formation of the alphabets. (Do it in A4 Size Sheets)

B. Read newspaper and write at least 05 questions for the quiz from each subject (Science, sports, awards, social issues etc) and current affairs. (Do it in A4 Size Sheets)

C. Prepare a dictionary consisting of 20 difficult words and its meanings from the lessons given in English Literature (*FROM* '*THREE QUESTIONS' TILL 'THE LUNCHEON')* in the following format:(Do it in Grammar notebook)



D. Read the lessons 'Three Questions', 'The Fun they Had', 'Father's Help' and 'The Luncheon' and make 10 multiple choice questions from each lesson. (Do it in Literature notebook)



E. Read the lesson 'Father's Help' and 'The Luncheon' and fill the following format after reading the story. (Do it in A4 Size sheet)

F. Rearrange the words to make a meaningful sentence: (To be done in Grammar notebook)

1. of lizard/a chameleon/ on trees/ on trees/ and bushes/is a kind/ that lives.
2. several/ Africa/ there are/ in / species of animals/ to be found.
3. Jiju was a /a circus/ the tigers/ to clean/ and had/ worker in / the cages of.
4. and plays the/ neighbor/ is a musician/ sitar all night/ our.
5. from/god / a/ precious/ life/ is /gift/ to /us.
6. thankful/ should/ be / we/ to / god/ for/it.
7. Your/a/is/like/personality/snapshot/of/signature.
8. Lot/reveals/a/it/and/nature/about/temperament/your.
9. Enormously/traits/it/your/represents/personality.

G. The following passage has not been edited. There is an error in each line. Write the incorrect word along with the correction in the space provided: (To be done in Grammar notebook)

	Incorrect Word	Correct Word
They reached the dam on nine	(a)_____	_____
in the morning. They stopping	(b)_____	_____
in the garden near a dam and	(c)_____	_____
left their food between a rest house.	(d)_____	_____
In the garden, their were several	(e)_____	_____
beehives. They had their tea or	(f)_____	_____
going to the dam. Suddenly, there	(g)_____	_____
was lightning and it began on rain heavily.	(h)_____	_____

MATHS

1. Do Assignment on loose sheets.
2. In an endeavour to keep our planet healthy, India has made a target to install 40% of power generation capacity on clean sources by 2030, thus India will become one of the largest green energy producer in the world.

   Prepare a bar graph showing share of thermal, nuclear, hydro and renewable sources of energy installed till 2018 in India.
3. Prepare a dictionary of minimum 5 key words (cw register) from each of the following chapters:
   a. Square and Square roots
   b. Cube and Cube roots
   c. Introduction to graphs
   d. Direct and inverse variation
4. On loose sheets prepare 5 questions each of general knowledge & current affairs (of maths).
5. Prepare a working maths model or a game on any mathematical concept either individually or in a group (of maximum 5 students).

Assignment

Q1 An industrial loom weaves 0.128 m of cloth every second. How many seconds will it take for the loom to weave 16m of cloth?

a) 200 b) 125

c) 145 d) 80

Q2 A man Travels a certain distance by train in 4 hours and 12 minutes at the rate 44.8 kilometre per hour how much time will it take to cover the same distance if the speed of train is increased to 57.6 kilometre per hour ?

a) 3 hrs 12 min b) 3 hrs 24 min

c) 3 hrs 16 min d) 3 hrs 20 min

Q3 If a varies inversely as b + 2 and if a = 8 when b = 1.5, find a when b = 5?

a) $2\frac{2}{5}$ b) $5\frac{3}{5}$

c) 4 d) $4\frac{2}{5}$

Q4 If three pieces of table cloth cost Rs.112.5 then the number of pieces of table cloth available for Rs. 487.5 is

a) 11 b)13

c) 15 d)17

Q5 $\frac{2707}{\sqrt{x}} = 27.07$, x equals to

a) 10 b) 100

c) 1000 d) 10000

Q6 if $\sqrt{1 + \frac{x}{144}} = \frac{13}{12}$, then x is equal to

a) 1 b) 12

c) 25 d) 15

Q7 $\sqrt{\frac{0.85 \times (0.105 + 0.024 - 0.08)}{0.022 \times 0.25 \times 1.7}}$ simplifies to

a) $\sqrt{11}$ b) $\sqrt{1.1}$

c) 11 d) $\sqrt{0.11}$

Q8 $\frac{\sqrt[3]{0.512}}{x} = \sqrt[3]{1000000}$, then find the value of x

a) 0.008 b) 800

c) 0.008 d) 8000

Q9 The edge of a cube is 4cm, so its volume is _____cm^3

Q10 The volume of a cube is $8cm^3$, so its edge is _____cm long.

Q11 The edge of a cube is increased from X cm to 2X cm, so its volume increases from X^3 cm^3 to _____cm^3

Q12 The cube of a negative integer is ____ (greater/smaller) than the integer.

Q13 Multiply 210125 by the smallest number so that the product is a perfect cube. Also find the cube root of the product.

Q14 What is the smallest number by which 8192 must be divided so that quotient is a prefect cube? Also, find the cube root of the quotient so obtained.

Q15 Three numbers are in the ratio 1:2:3.The sum of their cubes is 98784. Find the numbers

Q16 The volume of a cube is $9261000m^3$. Find the side of the cube.

Q17 Plot any three points such that x-coordinate of each point is equal to its y-co-ordinate. Join these points in pairs. Do they lie on a line passing through origin?

Q18 The perimeter P and side S of a square are connected by the relation P = 4 X S. Draw the graph of this relation on the graph paper

Q19 Draw a graph to convert miles to kilometres, given 1 mile=1.6 km. use the graph to find

a) How many kilometres are approximately equal to 4.5 miles.

b) How many miles are approximately equal to 8 km

Q20 What is the distance of a point from y axis called?

Q21 The ordinate of a point is its distance from the_____.

Q22 Find square root of 1. $23\frac{394}{729}$ 2. 0.00053361

Q23 Find square root of 14400.

Q24 Find square root of $2\frac{1}{12}$ correct to 3 decimal places.

Q25 Find the least no. that must be added to 252 to make it a perfect sq.

Q26. Find the least no. that must be subtracted from 1989 to make it a perfect square.

Q27 Find the length of largest side of square whose area is 441

Q28 Estimate square root nearest to a whole no. of 80

Q29 Find square root by prime factorization method

1) 4096 2) 24336

Q30 Find the smallest square no.(perfect sq.) which is divisible by each of 6, 9 and 15

Q31 Find the smallest no. by which 2925 must be divided so as to get a perfect sq. Also find the sq. root of the sq. no. so obtained.

Q32 Look at the digits in one's place and match the no. with its cube root:

(a) 12167	**(i) 44**
(b) 54872	**(ii) 57**
(c) 85184	**(iii) 38**
(d) 185193	**(iv) 23**

SCIENCE

PHYSICS

Chapter - Force and Pressure

[This work has to be done in Homework Notebook]

1. Define the following terms and give examples of each type of force:

- Gravitational force

- Frictional force

2. A dropper is kept in a beaker of water. When we press its bulb, the bubbles of air escape into water on releasing the bulb, water enters the dropper. The flow of water into the dropper is due to:

- Pressure of air

- Pressure of water

- Gravitational pull of Earth

- Shape of rubber bulb

3. What do you mean by net or resultant force? Find net force when two forces of magnitude 10N and 5N, act on a body in the same direction. Will the net force' direction changes when the forces act in the opposite direction?

4. How can you get maximum pressure with a minimum force? Name two appliances based on this fact.

5. Give two points off difference between the pressure exerted by solids and liquids.

6. In case of a load suspended from a spring while its other end is on a hook fixed to a wall. Identify the agent exerting the force and the object on which it acts. Also state the effect of the force.

7. Two forces F1 and F2 act on a body in opposite directions and if the body moves in direction of F1, then what can you conclude about the magnitude of F1 and F2?

8. Pressure at a certain depth h1 in a river is P1 and at another depth h2 (<h1) is P2. What do you conclude about the magnitude of P1 and P2?

9. Why don't we get crushed under the weight of the atmosphere?

10. Observe air bubble formed at the bottom of a glass filled with cold drink. What happens to its side as it reaches the surface. Explain.

INTERDISIPLINARY PROJECT [to be done in scrap book]

Choose any five families of your neighbourhood.

Enquire whether their energy consumption [any one of these coal, gas, electricity, petrol, or kerosene] has increased or decreased in last five years.

Enquire also about the measures they adopt to conserve energy.

CHEMISTRY

SOURCES OF ENERGY

Q1. How fossil fuels are different from wood and cow dung cake as fuel?

Q2. Sun is the ultimate source of energy. Justify your answer.

Q3. We use gaseous fuel in our houses. Give reasons behind it.

Q4. Rohan burnt wood and found a gas coming out. Is this gas desirable? Explain.

Q5. After about fifteen years, we will not find any petroleum or coal deposits. Find the reasons behind it.

Q6. Why coal should not be used as domestic fuels.

Q7. a) Which gas comes out of the ground before petroleum?

b) Why we are replacing petroleum with this gas?

Q8. A black, foul smelling liquid comes out from under the earth's surface. How can we extract the important components out of it?

Q9. Name the products obtained after refining petroleum. Give one use of each.

Q10. Our economic development is putting pressure on the environment. How can this be resolved?

BIOLOGY

MICROORGANISMS: FRIENDS OR FOES

Answer the following questions;

Q1 Unscramble the jumbled words underlined in the following statements:

a. Cells of our body produce **santiidobe** to fight pathogens.
b. **Curbossulite** is an air borne disease caused by a bacterium.
c. **Xanrhat** is a dangerous bacterial disease.
d. Yeasts are used in the wine industry because of their property of **meronettinaf**.

Q2 Suggest a suitable word for each of the following statements:

a. Chemicals which kill or stop the growth of pathogens.

b. Agent which spreads pathogens from one place to another.
c. Chemicals added to food to prevent the growth of microorganisms.
d. Microorganisms present in the root nodules of legumes which fix nitrogen.

Q3 Classify the following into friendly and harmful microorganisms:

Bacillus anthracis, Rhizopus, Rhizobium, Lactobacillus, Yeast, malarial parasite.

Q4 While returning home , Seema ate chaat from a street hawker. When she reached home, she fell ill and complained of stomachache and fell ill. What could be the reason?

Q5 What will happen to "pooris" and" unused kneaded floor" if they are left in the open for a day or two?

Q6 Give reasons for the following:

a. Bhola a farmer prefers to grow beans and peas in nitrogen deficient soils.
b. Jams and pickles are kept outside while raw vegetables and fruits are kept in refrigerators.
c. Fresh milk is boiled before consumption while processed milk stored in packets can be consumed without boiling.
d. Mosquitoes can be controlled by preventing stagnation of water.

Q7 How can we prevent the following diseases?

a. Jaundice
b. Malaria
c. Typhoid
d. Cholera

Q8 How do vaccines work?

Q9 Polio drops are not given to children suffering from diarrhoea. Why?

Q10 Why should we avoid standing close to a tuberculosis patient while he/she is coughing?

PROJECT WORK

It is understandable that Experiential Learning in science plays a very important role not only in making one's scientific knowledge stronger but also enables to think critically. To enable you to use your scientific knowledge in real-world situations, the following activity is being assigned to you.

Using low cost (preferable waste) and recyclable materials, prepare a working model on any of the scientific concepts whose working principle and applications should be thoroughly understood/known by you. Shortlisted models will be showcased in the upcoming science exhibition in the school

Few suggested ideas have been given below but you need to put your Creative Hat and feel free to explore beyond these topics too.

Suggested Ideas / Topics

PHYSICS (For Roll Nos. 1 to 16)

Making of an innovative toy using at least one basic principle of Physics	Making a live prototype highlighting an environmental issue and ways to solve it
Designing a simple machine helping you achieve basic daily chores and simplifying them	Making a live prototype of a simple machine which can be used for a greater good of society at large

CHEMISTRY (For Roll nos 17 to 34)

Sources of energy-cleaner fuels, alternate fuels	Combustion-fire extinguisher, conditions of combustion
Water, water pollution	Air pollution
Metallurgical processes	

BIOLOGY (For roll nos 35 onwards)

Diseases and its prevention	Microorganisms and their role in human welfare
Cell structure	Human impact on ecosystems eg oil spills, excessive use of pesticides and fertilizers
Myths and misconceptions in biology	

Read the Chapter Earthquakes, Combustion and Microorganisms: Friends or Foes

1. Prepare a dictionary of minimum 15 words including the scientific terms and difficult words from each chapter.

2. Frame atleast 5 MCQs from each chapter.

Prepare 30 **questions for quiz**, 10 each from **Physics, Chemistry and Biology**.

(This work has to be done on A4 size sheets.)

SOCIAL SCIENCE

INTERDISCIPLINARY PROJECT

1 . Read and underline the difficult words for the following chapters : 2, 10 ,17 and then write them in the c.w. note book along with their meaning .

2 . Prepare a project report on : "NUCLEAR POWER IS THE ENERGY FOR FUTURE "

Guidelines for the project work :

(a) The project report should be handwritten and done in a scrap file.

(b) It should be maximum 5 -7 pages long

(c) It should cover the following aspects :

(i) Cover page with title

(ii) Content covering : Introduction , Main content with relevant photos , Advantages and disadvantages of usage of nuclear energy , major nuclear disaster that has occurred in the recent times covering case study of Japan , 2011 .

Note : Project work will be assessed out of 5 marks on the following rubrics : content accuracy , originality , presentation , timely submission .(H.H.W. to be submitted within 1st week of June).

3 . Prepare 10 objective type questions each from ch- 3, 11 ,18

4 . G.K. questions based on S.Sc. :

(i)Which among the following is called the Gift of Nile :

(a)China (b) India (c) Iraq (d) Egypt

(ii) Who discovered America :

(a)Vasco –da- Gama (b) Columbus (c) Captain Cook (d) Amundyen

(iii) Who was called" the Grand Oldman of Indi :

(a)Lala Lajpat Rai (b) Sardar Vallabhbhai Patel (c) Mahatma Gandhi (d) Dadabhai Naoroji

(iv) Who was called 'Deshbandhu ' :

a. Lala Lajpat Rai (b) Sardar Vallabhbhai Patel (c) Chitrranja Dass (d) Dadabhai Naoroji

(v) A joint sitting of the two houses is called :

(a) Winter Session (b) Joint Session (c) Summer Session (D) Question Hour

Note : Difficult words , Objective type questions and G.K. questions to be done in S.Sc. C.W. Note book

नैतिक शिक्षा

प्रार्थना,उपासना के आठ मंत्रों को अपनी स्कूल डायरी से देखकर एक चार्ट पेपर पर सुंदरता से सजावट के साथ लिखें।

हिंदी

1. पाठ– 4.6.7 से दस–दस कठिन शब्द छाँटकर अर्थ सहित वाक्य बनाइए।
2. पाठ– 4,6,7 से पाँच–पाँच बहुविकल्पीय प्रश्न बनाकर कक्षा कार्य कॉपी में लिखिए।
3. दस पेज सुलेख लिखिए।
4. 'प्रेमचंद्र की कहानी– 'पूस की रात' व 'कफ़न' कहानी पढ़िए और निम्नलिखित बिंदुओं पर अपने विचार व्यक्त कीजिए।
   - कथावस्तु
   - कहानी के मुख्य पात्रों का चरित्र–चित्रण
   - कहानी का संदेश
5. प्राकृतिक संसाधनों (कोयला, पैट्रोल आदि) के संरक्षण हेतु विज्ञापन तैयार कीजिए।

नोट–प्रश्न 1 से 4 तक कार्य कक्षाकार्य कॉपी में करें तथा प्रश्न 5 स्कैप फाइल में करके जुलाई के प्रथम सप्ताह में जमा करें।

संस्कृत

१. पाठ १ और २ याद करें। पाठ १ और २ से दस-दस कठिन शब्द छाँटकर हिंदी में उनके अर्थ लिखें।

२. राम, लता, फल, भवत्, नदी, अस्मद् (किम, तत् शब्द रूप तीनों लिंगों में) सुंदर अक्षरों में कॉपी में लिखें और याद करें।

३. भारत के जिन राज्यों में कोयला, तेल और प्राकृतिक पदार्थ पाए जाते हैं, चित्र सहित उनके नाम स्क्रैप फ़ाइल में संस्कृत में लिखिए।

४. पाठ १ और २ से बहुविकल्पीय (वस्तुनिष्ठ) दस प्रश्न बनाकर कॉपी में लिखें।

६. संस्कृत में सामान्य ज्ञान से सम्बन्धित पाँच प्रश्न बनाकर लूज़ शीट पर लिखें।

FRENCH

Make a French pictorial dictionary of 30 words (nouns, adjectives, prepositions, verbs .) in French notebook.

COMPUTER SCIENCE

1. Explore Internet for the links given in Chapters 1 & 2 of Hands On to see the videos and complete the activities given on the following pages in the book itself.

Chapter-1 Page No-2,3,4,7,12,13,15,17
Chapter-2 Page No-21,22,24,27,32,33,34,38,42,43

2. Practice the activities given on Page no. 47,48 at home
3. Make any one of the following poster in Ms word or Impress software-
   - How to remain safe on Internet.
   - How to generate a strong password.
   - Why green IT is important.
   - Eco friendly green technologies.