Delhi Public School Gwalior

(Under the aegis of DPS Society, New Delhi)

Holiday Homework

Session 2020–21

Class-VIII

SUBJECT – ENGLISH

Dear Children,

Summer Vacations are at your doorsteps and this time during the Lockdown you can C.A.R.E. (Create, Assimilate, Relax and Explore) a lot more in innumerable ways. It will not only help you to build, learn and develop your skills but also strengthen your bond with people and things surrounding you. This Holiday Assignment is designed in a way that it can be completed by you independently and you will have a Golden opportunity to not only create things but also relate them with everyday life.

Class Educator

<u>Dear children kindly do any two questions of your choice</u>.

Q.1   Collect five news items on any two of the given issues. Put the collected information on any sheet/notebook available back home and comment in 120-150 words. The issues are as follows:-
   a)   Environmental changes during lockdown.

   b)   Technological help during lockdown in India.

   c)   Covid-19 and its effects.

Q.2   Interview your parents/grandparents to find out about the things they used to do when they were your age which no longer exists/is no longer followed or done.
   Example:- leisure time activities, games played, customs practiced etc. (min 10 questions)

   Make it interesting. Your interview must have a lot of details for the reader to understand the bygone days clearly. Record a video of not more than 1 minute and share the same on the personal whatsapp number of the English Educator.

Q.3 Share your lockdown experience with us, and write a journal of at least a fortnight of your holidays. You can supplement it with your photographs and add on the hobby that you could fulfil during your quarantine. Refer to the Template of the journal provided.

Q.4 Create <u>any two</u> of the following:
- Poem based on any topic of your interest

- Game based on any story that you have read

- A series of paintings based on it (minimum 4)

My Daily Journal

Name:

Date:

Day:

My Experience

Goals for this

My Photograph

Daily Thoughts:

Notes:

STAY HOME STAY SAFE

बच्चों इस बार का ग्रीष्मावकाश हर वर्ष की तरह आया तो है पर एक अलग रूप में। हर बार जहाँ बाहर घूमने की योजना बनाने व तैयारी करने आदि का उत्साह होता था वहीं इस बार पूरी मुस्तैदी से स्वयं को व अपने परिवार को घर में सुरक्षित रखना पहली जरूरत हो गई है।

पहला सुख निरोगी काया

सारा विश्व कोरोना के खिलाफ जंग लड़ रहा है हम भी इसमें योगदान करते हुए घर पर रहें व अपना समय सकारात्मक कार्यों में उत्साह पूर्वक बिताएँ । मई –जून माह में आपको कुछ कार्य पूर्ण करने हैं जो इस प्रकार हैं–

ग्रीष्मकालीन अवकाश गृह कार्य हेतु सामान्य निर्देश –

1.   आपके पास जो भी उत्तर पुस्तिका उपलब्ध हो , उस पर लिखित कार्य पूर्ण करें।

2.   लिखित कार्य की जाँच आपकी रचनात्मकता ,स्वच्छता, व्याकरणिक आधार प्रस्तुतीकरण , विषय वस्तु आदि पर आधारित होगी व उसी के अनुसार आपको अंक प्राप्त होंगे।
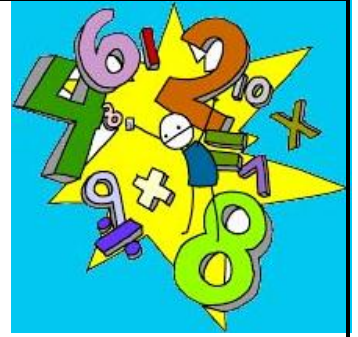
कार्य विवरण –

1.   लॉकडाउन के समय अपनी माँ के साथ आपने कौन–कौन से कार्यों में हाथ बँटाया है ? उन कार्यों की सूची बनाइए।

2.   लॉकडाउन के कारण प्रकृति में क्या बदलाव आए हैं ? लेख को बिंदुओं में लिखिए।

3.   कोरोना वायरस से खुद को बचाने के साथ ही उसे फैलने से रोकने में आप किस प्रकार मदद कर सकते हैं ? 50 शब्दों में उत्तर दीजिए।

अथवा

कोरोना वायरस से बचाव का संदेश देते हुए पाँच स्वरचित स्लोगन लिखिए।

SUBJECT - MATHEMATICS

General Instructions:

1) **Solve the sums in a separate notebook or any diary.**
* Use the stuff which is available at home.
2) **Revise the tables from 2 to 20 every day.**

Choose the correct answer

Q.1 The sum of the rational numbers -8/19and -4/57 is _____.
(a) -5/57   (b) 7/22   (c) -28/57   (d) 4/27

Q.2 What should be added to 3/8 to get -1/24?
(a) -5/12   (b) -7/23   (c) 31/72   (d) 2/33

Q.3 Which of the following rational numbers is in the standard form?
(a) -9/28   (b) -26/78   (c) -14/16   (d) 48/-96

Q.4 Which of the rational numbers 4/9 , -5/6 , -7/-12 and 11/-24 is the smallest?
(a) 4/9   (b) -5/6   (c) -7/-12   (d) 11/-24

Q.5 Which of the rational numbers -4/9, -5/2 , -7/-18 , 2/-3 is the greatest ?
(a) -7/-18   (b) -4/9   (c) 2/-3   (d) -5/12

Q.6 Simplify 2/3 + (-4/5) + 7/15 + (-11/20)
(a) -1/15   (b) -13/60   (c) -4/15   (d) -7/30

Q.7 What number should be subtracted from -3/4 so as to get 5/6?
(a) -3/10   (b) -5/24   (c) -19/12   (d) 9/25

Q.8 The sum of two rational numbers is -7. If one of the numbers is -15/19, the other number is
_____.
(a) -21/10   (b) -57/16   (c) 7/9   (d) -118/19

Q.9 Which of the following forms a pair of equivalent rational numbers?
(a) -24/ 40 and -35/50   (b) -25/ 35 and 55/ -77
(c) -8/15 and -24/48   (d) 9/72 and -3/21

Q.10 The value of (-8/13 x 26/-3) is _____.
(a) -8/13   (b) -7/26   (c) -4/13   (d) 16/3

Q.11 If 'x' is an even number, which is the next odd number?
(a) $x+1$ (b) $x+2$ (c) $x-1$ (d) $x-2$

Q.12 If the difference of two consecutive number is 15 and greater of them is 'x' then the smaller number is
(a) 16   (b) 14   (c) 8   (d) 7

Q.13 How old will I be after 10 years, if my age before 10 years was 'x' year?
(a) $(x+20)$ (b) $x-20$ (c) $x+10$ (d) $x-10$

Q.14 If $2x/5 = 4$ then the value of 'x' is
(a) 10   (b) – 10   (c) -5/5   (d) 8/5

Q.15 If the sum of two consecutive number is 71 and one number is x, then the other number is –
(a) $x+ (x+1) = 71$ (b) $x+(x+2) = 71$ (c) $x+x=71$ (d) none of these

Q.16 The value of 'x' in $3x – 4 = 7$ is
(a) 1   (b) 11/3   (c) 3/11   (d) 7/12

Q.17 Sum of two numbers is 84 one of the numbers is 20 more than the other. The smaller number is
(a) 12   (b) 22   (c) 32   (d) 42

Q.18 The perimeter of a rectangle is 30 cm. If its breadth is 3cm then its length is
(a) 4 cm   (b) 5 cm   (c)18 cm   (d) 12 cm

Q.19 In $\frac{15}{4} – 7x = 9$ then
(a) 4/3   (b) 3/4   (c) -4/3   (d) -3/4

Q.20 On solving $\frac{(x-1)}{(2x+3)} = \frac{1}{3}, x = $_____
(a) 6   (b) 3   (c) 4   (d) 5

Reasoning Questions

Q.21 If 'a' means + 'b' means -, 'c' means x and 'd' means ÷ then 18c14a6b16d4 = ?
(a) 524   (b) 254   (c) 245   (d) 242

Q.22 5,16,49,104,_____ follow the pattern and answer the question.
(a) 171   (b) 191   (c) 181   (d) 161

Q.23 44,41,38,35,32,29,26, ____,_____ follow the pattern and answer the question.
(a) 200   (b) 300   (c) 400   (d) 500

Q.24 Look at this series 22, 21, 23 , 22 , 24 , 23, ?. What number should come next?
(a) 22   (b) 24   (c) 25   (d) 26

Q.25 If 13x 12 = 651 and 41 x 23 = 448, then 24 x 22 = ?
(a) 504   (b) 46   (c) 524   (d) 924

Q.26 Pointing to a man, a woman said "His mother is the only daughter of my mother". How is the woman related to the man?
(a) Sister   (b) Grandmother   (c) Mother   (d) Wife

Q.27 Find the odd one out from the following:
Mountain , Valley , Glacier , Coast
(a) Mountain   (b) Valley   (c) Glacier   (d) Coast

Q.28   In the given question find out the alternative which will replace the question mark

                           R , U , X , A, D , ?

      (a) F   (b) G   (c) H   (d) I

Q.29   If Cat : Meow :: Peacocks : ?

      (a) Scream   (b) Grunt   (c) Caw   (d) Hum

Q.30   Find the letter in the 12th position when the alphabets are written in alphabetical order

      (a) L   (b) N   (c) O   (d) P

Fill in the Blanks Type Questions

Q.31   _____ is the only rational number which is equal to its additive inverse.

Q.32   _____ is the multiplication identity for rational numbers.

Q.33   The product of (-7/8) and 4/21 is _____.

Q.34   _____ is subtracted from -5/4 to get -1.

Q.35   _____ is the additive identity for rational numbers.

Q.36   Reciprocal of a negative rational number is _____.

Q.37   A linear equation in one variable cannot have more than _____ solution.

Q.38   A number which satisfies a given linear equation is called a _____ of the equation.

Q.39   An equation containing only one variable with highest power one is called a _____ equation in that variable.

Q.40   The shifting of a number from one side of an equation to other is called _____.

True False Type Questions

Q.41   '0' is Multiplicative Identity of a rational number.

Q.42   There is only one rational number lie between only two rational numbers.

Q.43   Associative property is not followed by division of rational numbers.

Q.44   1 and -1 has no reciprocal.

Q.45   Additive inverse of $\dfrac{-3}{5}$ is $\dfrac{-5}{3}$.

Q.46   Linear equation in one variable has only one term with a variable.

Q.47 $y + y^2$ is not a linear equation.

Q.48   The shifting of a number from one side of an equation to other is called balancing the equation method.

Q.49 A linear equation in one variable has only one solution.

Q.50 The solution of the equation $ax+b = 0$ is $x = \dfrac{-b}{a}$.

Match the following

Q.51 **Column I**   **Column II**

(a) Negative of a rational number   (i)   1

(b) Multiplicative inverse of $\dfrac{-6}{5} \times \dfrac{8}{-3}$ (ii)   Only one solution

(c) $3x + 4 = 7$ (iii) $\dfrac{5}{16}$

(d) A linear equation in one variable has   (iv)   x=1

(e) The identity element   (v)   Additive Inverse

Solve the following questions.

Q.52 The sum of three consecutive numbers is 42. Find the numbers.

Q.53 The three angles of a triangle are $(11x\text{-}1)$, $(4x+15)$ and $(20x\text{-}9)$. Find the measure of all the angles of a triangle.

Q.54 Solve: $\dfrac{2x-3}{4x+5} = \dfrac{1}{5}$

Q.55 Solve : $\dfrac{y-(4-3y)}{2y-(3+4y)} = \dfrac{1}{5}$

Q.56 Divide 1000rupees between Shubh and Devansh such that one third share of Shubh and half the share of Devansh are equal.

Q.57 The ratio of two numbers is 3:5. If each number is increased by 10, the ratio between the numbers so formed is 5:7. Find the two original numbers.
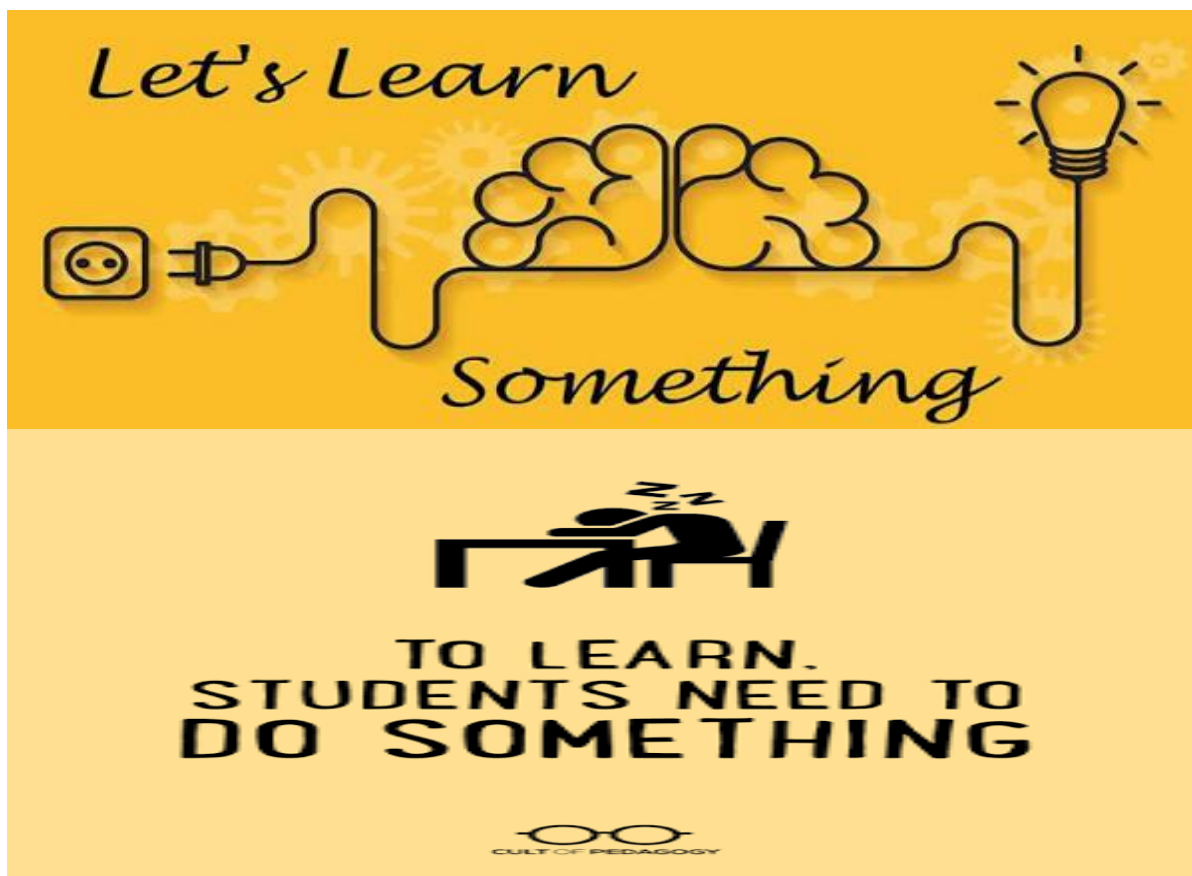
Q.58 The numerator of a rational number is less than the denominator by 8. If the denominator is decreased by 1 and numerator is increased by 17, then the number obtained is $\dfrac{3}{2}$. Find the rational number.

Q.59 The ages of Nidhi and Paridhi are in the ratio 5:7. Four years from now, the ratio of their ages will be 3:4. Find their present ages.

Q.60 The sum of three consecutive multiples of 11 is 363. Find these multiples.

Q.61 Find the sum of multiplicative identity of rational number $\frac{1}{2}$ and additive inverse of $\frac{-2}{3}$.

Q.62 Solve using properties.

(a) $\frac{-4}{9} + \left(\frac{-2}{7}\right) + \left(\frac{-5}{14}\right) + \frac{3}{18}$

(b) $\left(\frac{-1}{2}\right) \times \frac{5}{4} - \frac{5}{2} \times \frac{5}{4}$

(c) $\frac{16}{17} \times \frac{1}{9} + \frac{16}{17} \times \left(\frac{-1}{9}\right)$

Q.63 Represent the following numbers on number line.

(a) $\frac{-5}{6}, \frac{-8}{3}, \frac{-3}{2}$ and $\frac{-1}{6}$ (b) $\frac{-5}{2}, \frac{2}{5}, \frac{9}{10}, \frac{6}{5}$ and $\frac{7}{2}$

Q.64 Find five rational numbers between $\frac{-3}{4}$ and $\frac{7}{6}$.

Q.65 Find any ten rational numbers which lie between multiplicative inverse of $\frac{7}{5}$ and additive inverse of $\frac{-11}{10}$.

Q.66 What is the product of additive inverse of $\frac{-3}{23}$ and multiplicative inverse of $\frac{-3}{23}$?

Q.67 What should be subtracted from the additive inverse of $\frac{-7}{11}$ to get $\frac{-7}{11}$?

Q.68 Name the property

(a) $7 + \frac{1}{3} = \frac{1}{3} + 7$

(b) $\frac{-6}{7} \times \left(\frac{1}{3} \times \frac{-4}{5}\right) = \left(\frac{-6}{7} \times \frac{1}{3}\right) \times \left(\frac{-4}{5}\right)$

(c) $\frac{-2}{5} \times \left(\frac{1}{3} + \frac{4}{7}\right) = \left(\frac{-2}{5} \times \frac{1}{3}\right) + \left(\frac{-2}{5} \times \frac{4}{7}\right)$

Q.69 Ram is twice as old as Shyam, Five years ago Ram's age was three times Shyam's age. Find their present ages.

Q.70 Present ages of Anu and Raj are in the ratio 4:5. Eight years from now the ratio of their ages will be 5:6. Find their present ages.
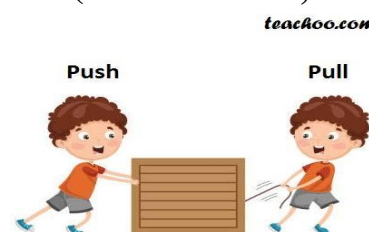
SUBJECT - SCIENCE

Choose any two projects out of four and give wings to your creation, imagination and involvement.

Make a power point presentation (PPT) with application of various forces in day to day life along with the photographs in which you are involved. (Gravitational, Magnetic, Electrostatic, Muscular, Frictional)
Also elaborate any two examples of pressure exerted by liquids and gases along with illustrations.

POINTS TO BE NOTED

- PPT is to be emailed to your science educator.
- Email address will be send by the science educator in the end of Junein the respective class group.
- Attached pictures should represent your involvement in each activity conducted at home.
- PPT should not exceed more than 5-6 slides.
- Mandatory to attach cover page with all details about the activities performed along with your name, class and section mentioned on it.

Students, isn't it interesting FARMING WITHOUT SOIL. Soilless farming is called HYDROPONICS. Explore the technique and prepare a handwritten report under the following heads.

- Introduction
- Technique used
- Substrates(growing support material)
- Nutrient solutions used
- List of suitable crops which can be grown
- Advantages
- Disadvantages

<u>**POINTS TO BE NOTED**</u>
* Project should not exceed more than 4-5 pages
* Has to be handwritten on available sheets at home.
* Mandatory to add relevant pictures or even you can draw pictures for each head covered.
* Must to attach cover page with your name, class and section mentioned on it.

Children as our nation is lockdown to fight against pandemic COVID 19,it is the moral duty of each and every Indian citizen to conserve resources available to us for sustainability. So let's spread awareness among people.
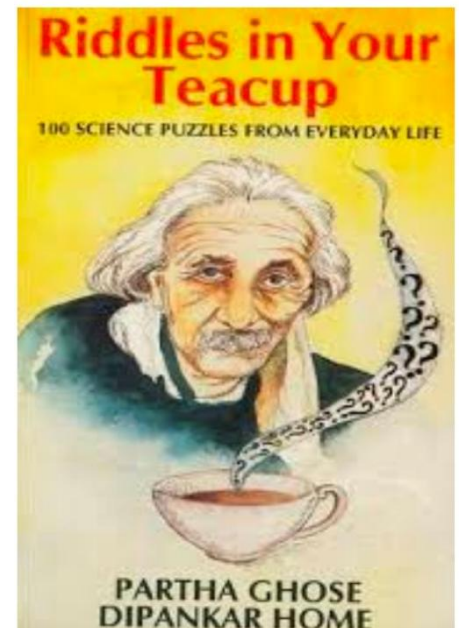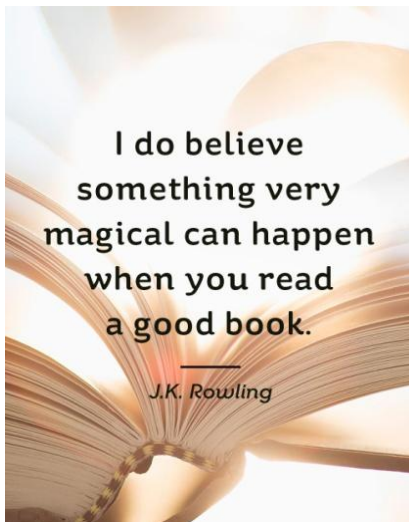
Create the poster of your own .Submit the handmade sample copy withrelevant drawing and catchy slogans on it

<u>**POINTS TO BE NOTED**</u>
* Has to be handmade on the available sheet at home.
* Must to mention your name, class and section on the project.

D) Children as books are our best companions, download the book 'RIDDLES IN YOUR TEA CUP' written by Partha Ghose.Try to solve any 5 science riddles based on science everywhere.

I do believe something very magical can happen when you read a good book.
—— J.K. Rowling

Science is Everywhere

Riddles in Your Teacup
100 SCIENCE PUZZLES FROM EVERYDAY LIFE
PARTHA GHOSE
DIPANKAR HOME

SOLVE THE RIDDLES

Don't Lick an Ice Tray

Have you ever tried to hold a really cold frosted ice tray? If you have, you must have noticed that your fingers tend to stick to the tray. Why? Don't ever try to lick the tray - it will be a very painful experience!

From Fermi to the Frying Pan

The celebrated Italian physicist Enrico Fermi once asked a student during an examination : "The boiling point of olive oil is higher than the melting point of tin. Explain how it is then possible to fry food in olive oil in a pan". (Italian saucepans are wholly made of tinned copper). What is the answer?

Leaping Liquid

One of the regular headaches for a housewife is the nuisance caused by milk spilling over when boiled. She has to keep a constant watch and stir the milk to prevent it spilling. Some say an easy way out is to keep a spoon immersed in the milk from the beginning. Why does milk (and also 'dal') have this peculiar property?

Soup Swirl

Next time you have a thick soup at lunch, or prepare a paste of starch, give it a good swirl, lift your spoon and watch for a few seconds. You will notice that just before the turning stops, its direction reverses momentarily. This phenomenon illustrates an important characteristic of real fluids, namely, ... what?

A Burning Flame

Next time you carry a candle or a burning matchstick, notice that the flame is initially deflected backwards. Which way will it deflect if you carry it in a case or protect it with your hand?

Funny Funnel

You must have noticed while pouring a liquid into a bottle through a funnel that you have to lift the funnel from time to time when the liquid collects in the funnel and does not flow down. Do you know why?

Blow Out!

Who hasn't blown out a candle or watched one being blown out by a gust of wind? Even such commonplace a phenomenon is however quite baffling. Why should a candle be blown out in spite of a supply of more air (containing oxygen which helps burning)?

Iron It Softly

It is common practice to sprinkle some water on a starched cloth before pressing it with a hot iron. Why does it help to sprinkle water and use a hot iron?

POINTS TO BE NOTED
* Has to be handwritten on the available sheet at home.
* Must to mention your name, class and section on the project.

SUBJECT - SOCIAL SCIENCE

Dear students, *It's time to have a good time together during this holiday.*
Keeping in mind:

H **-** Hand sanitizing

O **-** Offer help to each other

L **-** Love your family

I **-** Inside the home

D **-** Don't go out

A **-** Avoid crowd

Y **-** Your awareness is a prevention

Here is your assignment, through which you can keep your energies well directed and spend quality time with your family. ***And the most important thing, don't forget to take care of your health and hygiene during this pandemic.***

Let us all make a new concept of **COVID**. Let's try to be:

C **-** **Creative**

O **-** **Optimistic**

V **-** **Valiant**

I **-** **Inventive**

D **-** **Dexterous**

during this summer vacations.

GENERAL INSTRUCTIONS:

- Credit will be awarded to original drawings and creative use of material available at home.
- The project needs to be developed and presented in this order. (all the pages should be hand made)
  1. Cover page showing project title, student information, school and Academic year.
  2. List of contents with page numbers.
  3. The last page should have Bibliography/ links from where you have collected your information.
  4. The project should have maximum word limit of 200 words.
  5. Try to use readily at home available materials.

Details of the projects

- **Prepare a PPT including 5- 10 best slides on three main organs of the government - Legislature, Executive and Judiciary**

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OR

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- **Make a poster on Conservation of resources and use of alternative resources.**

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OR

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- **Draw a flowchart to represent different types of resources present in the nature and draw at least 5 diagrams showing different types of resources.**

Note : Kindly submit all subjects' holiday homework (within 15 days) of the reopening of school.