DAV PUBLIC SCHOOL, GOLE MARKET
SUMMER HOLIDAY HOMEWORK
(session-2022-2023)

CLASS- VIII

"The WHO's best advice to parents of young children is this: vaccinate your kids! It's the best way to keep them healthy, and safe from disease,"said Dr. Bernhard Schwartlander, WHO Representative.

MATH

1. Collect the data for total vaccine taken for the following states:-
   a) Delhi
   b) Assam
   c) Jammu and Kashmir
   d) Kerala

   Draw a Bar Chart on the above information on an A-4 sheet.

   Use different colors for different states.

2. Subject enrichment activity

Watch the activity shown in the given video. Make a mathematical riddle or game based on the topic-'Cube Roots".

https://www.youtube.com/watch?v=1AWb63s75qM

3. Revise and practice all the chapters done in the class.

4. Complete the assignment given in a separate practice notebook.

ASSIGNMENT ON SQUARES AND SQUARE ROOTS
HOTS

Q1. Evaluate:

   (i) $\dfrac{\sqrt{243}}{\sqrt{363}}$

   (ii) $\sqrt{98} \times \sqrt{162}$

Q2. Evaluate: $\sqrt{20/3}$

Q3. Using properties of squares and square roots calculate: $200^2 - 198^2$

Q4. . By what least number should 735 be multiplied so that the product is a perfect square. Find the square root of the product so obtained.

Q5. Find the least square number divisible by each one of 8,9,10.

Q6. Find the cost of erecting a fence around a square field whose area is 9 hectares, if fencing costs ₹ 35 per meter.

Q7. What least number must be added to 6321 to make the sum a perfect square? Find this perfect square and its square root.

Q8. Find the length of each side of a square whose area is equal to the area of a rectangle of length 13.6 m and breadth 3.4 m.

Q9 A general wishing to draw his 64029 men in the form of a square found that he had 20 men extra. Find the number of men in the front row.

Q10. Simplify:

   $\dfrac{\sqrt{0.0441}}{\sqrt{0.000441}}$

ASSIGNMENT ON ALGEBRAIC IDENTITIES

Algebraic Expressions and Identities

Q 1 Using identity $(x - a)(x + a) = x^2 - a^2$ find $6^2 - 5^2$.

Q 2 Find the product of $(7x - 4y)$ and $(3x - 7y)$.

Q 3 Using suitable identity find $(a + 3)(a + 2)$.

Q 4 Using identity $(a + b)^2 = a^2 + 2ab + b^2$ find the value of 103^2.

Q 5 Using identity $(a - b)^2 = a^2 - 2ab + b^2$ find the value of 98^2.

Q 6 Using identity find $(2x + 3)^2$.

Q 7 Subtract $7x - 3x^2$ from $4x + 8x^2$.

Q 8 Using suitable identity find $(7x - 3y)^3$.

Q 9 Add $4x^2 + 2xy - 4$ and $7x^2 - 3xy + 4$.

Q 10 Find the product of $4x$, $7x^2$, $-2x$.

Q 11 Find the product of $(x^2 - y^2)(2x + y)$.

Q 12 Simplify: $(xy + yz)^2 - (xy - yz)^2$

Q 13 Multiply: $(a^2 + 2c^2)(3a - 3c)$

HINDI

ग्रीष्मकालीन गृहकार्य
विषय- हिंदी

१-कक्षा में दिए गए निर्देशानुसार 'शब्दकोष का निर्माण करें |
{नए शब्द अर्थ सहित ,विपरीतार्थक शब्द ,समानार्थक शब्द ,अनेक शब्दों के लिए एक शब्द
 .मुहावरे अर्थ सहित }

२-कार्डबोर्ड की सहायता से पंछी -घर का निर्माण करें |घर बनाते समय मन में आए भावों को
  तथा अनुभव को बताते हुए मित्र को पत्र लिखें |
  {https://www.youtube.com/watch?v=sz9OLeOkNn4}

३- 'करोना वायरस' से उपचार हेतु टीकाकरण के महत्व को दर्शाते हुए स्वरचित लघु नाटिका
  चित्र सहित लिखिए |

4- प्रेमचन्द जी द्वारा रचित 'अनमोल कहानियाँ ' नामक पुस्तक में से एक कहानी शयन करने से पूर्व पढ़िए |

नोट - शब्दकोश के लिए कॉपी / रजिस्टर या डायरी का इस्तेमाल करें |
पत्र तथा लघु नाटिका लिखने केलिए ए-४ साइज़ शीटका प्रयोग करें |

English

- Make a flash on literary devices as per your roll number.
  Metaphor roll no 1-6
  Simile roll no. 7-12
  Alliteration roll no. 13-18
  Onomatopoeia roll no. 19-24
  Personification roll no. 25-30
  Imagery roll no. 31-36
- Make an attractive poster on **Covid vaccination** and also write a catchy slogan.
- Your friend's mother is apprehensive about getting him/ her vaccinated.Write a dialogue conversation to explain and convince her.
- Design a magazine for children aged 12-14 years. Choose an interesting name for your magazine . It must have an index.
  Choose topics such as current affairs,stories,jokes,amazing facts,proverbs,tech corner, App savvy, poems etc

SOCIAL STUDIES

1) Paste the pictures of the following personalities in a separate scrap file and give a brief about them like
   i) Name
   ii) post
   iii) year of office
   a) Current President of India
   b) Current Vice president of India.
   c) Current Speaker and Deputy speaker of Lok Sabha
   d) Current Lieutenant governor of Delhi
   e) Current chief justice of India.
   f) Current finance minister of India
   g) Current Defense minister of India
   h) Current members of Rajya sabha from Delhi

     i)   Current two members nominated by the president from the Anglo Indian community.

     j)   Current Home minister of India

2) Project work: Make a project on Non–Conventional Sources of energy.

3) "Prevention is better than cure"

Grow a Plant that boosts up our immune system in any container like plastic tray, paint bucket,etc. Label the plant. Paint the container with red and decorate it.

Science

1.Vaccination is the solution to fight with pandemic caused by microorganisms.To know about these microorganisms make a PPT on any microbe (Bacteria, fungi, virus). PPT should include following points:-

    a) Its Origin   b)Disease caused by it.

    c) How it affects   d)Precautions taken to prevent it.

 2. Survey:Choose any five families in your neighborhood, and inquire whether their energy consumption(coal, gas, electricity, petrol, diesel, electricity)has increased or decreased in the last five years. Also enquire about the measure they adopt to conserve energy. Prepare a report on A-4 size sheets.

 3. In summers there are so many fire incidents in your city.Identify different methods to control the fire and make a list of fire extinguishers and their location,used in different big establishments including your school.Prepare a Report.

Sanskrit

संस्कृत ग्रीष्मावकाश कार्य

1. धातुरूपाणि :- पठ गम् स्था दृश भू और अस् धातुरूपों को पाँचो लकारों में अपनी उत्तर पुस्तिका में लिखें और याद करें।
2. शब्दरूपाणि :- रमा , लता , फल , नदी , और अस्मद् शब्दरूपों को अपनी उत्तर पुस्तिका में लिखें और याद करें।
3. गतिविधि :- चित्र के साथ (अपने चित्र) पाँच वाक्यों में टीकाकरण के अनुभव और लाभ को व्यक्त करिए।

विषय - नैतिक शिक्षा

१-किन्हीं पांच योगासनों का वर्णन चित्र सहित लिखित रूप में करें |
{कार्य करने के लिये ए-४ साइज़ शीटका प्रयोग करें या पी .पी. टी
बनाएं }
https://www.youtube.com/watch?v=OhJQTaTzp8I

२-अपने प्रेरणा स्त्रोत किसी महापुरुष की जीवनी दर्शाने के
लिए स्क्रैप फ़ाइल या पी .पी. टी बनाए |
३- नैतिक शिक्षा देने वाली कहानियाँ पढ़िए तथा उनसे प्राप्त हुई शिक्षा
या सुविचार ए -४ साइज़ शीट पर लिखिए| { कोई पांच }