

**MDS PUBLIC SCHOOL, MADINA (ROHTAK)**  
**SUMMER HOLIDAYS HOMEWORK**  
**SESSION – (2024-25)**  
**CLASS-7<sup>TH</sup>**



**“SOME OF YOUR BEST IDEAS COME WHEN YOU'RE  
ON VACATION.”**

Dear Students,

**Summer Vacation** is round the corner, Hurray!! Have you started listing all exciting things you will do? Why not have fun with a little bit of learning along the way? So here's a list of some enjoyable learning activities you can do at the noon time.

- **Read a book to yourself.**
- **Prepare a meal with your family.**
- **Draw or paint a picture of something.**

Here are the ways by which you can make your holidays fun and learning at the same time:-

- **Go for walk, talk about things you see around.**
- **Speak in English as much as possible.**
- **Help your parents in small household chores like dusting, cleaning and watering the plants.**

**NOTE:-**Do all the assignments in neat and legible handwriting in separate notebook.

Parents are requested to just guide the children to complete the task on their own.

Holidays Homework marks will be added to your final result.

# "आपके कुछ बेहतरीन विचार तब आते हैं जब आप छुट्टियों पर होते हैं।"

प्रिय विद्यार्थियों,

गर्मी की छुट्टियाँ नजदीक हैं, हुर्रे!! क्या आपने उन सभी रोमांचक चीज़ों की सूची बनाना शुरू कर दिया है, जो आप करेंगे? रास्ते में थोड़ा-

सा सीखने का आनंद क्यों न उठाया जाए? तो यहां कुछ मनोरंजक सीखने की गतिविधियों की सूची दी गई है, जिन्हें आप दोपहर के समय कर सकते हैं।

- अपने लिए एक किताब पढ़ें।
- अपने परिवार के साथ भोजन तैयार करें।
- किसी चीज़ का चित्र बनाएं और रंग भरे।

यहां वे तरीके दिए गए हैं, जिनसे आप अपनी छुट्टियों को मज़ेदार और सीखने लायक बना सकते हैं:-

- टहलने जाएं, आसपास दिखने वाली चीज़ों के बारे में बात करें।
- जितना हो सके अंग्रेजी में बोलें।
- अपने माता-पिता को घर के छोटे-छोटे कामों जैसे धूल झाड़ना, सफाई करना और पौधों को पानी देना आदि में मदद करें।

**नोट:-**सभी कार्य अलग-अलग कार्यपुस्तिका में साफ-सुथरी लिखावट में करें।

माता-पिता से अनुरोध है, कि वे बच्चों को केवल कार्य स्वयं पूरा करने के लिए मार्गदर्शन करें।

**छुट्टियों के गृहकार्य के अंक अंतिम परिणाम में जोड़े जाएंगे।**

आपके माता-पिता के लिए आपकी लंबी गर्मी की छुट्टियों को उपयोगी बनाने के लिए कुछ दिशानिर्देश:-

'ज्ञान शक्ति है'। इसलिए अपने बच्चे को पढ़ने की आदत विकसित करने के लिए प्रोत्साहित करें क्योंकि यह न केवल अर्जित ज्ञान को बढ़ाता है, बल्कि शब्दावली और भाषा कौशल भी विकसित करता है।

## SUBJECT: SCIENCE

- **Nature Walk and Observation:** Take a nature walk in your local area and observe different plants, animals, and their habitats. Make a journal documenting your observations, including sketches and descriptions.
- **Home Science Experiments:** Try out simple science experiments at home using everyday materials. You can experiment with topics like buoyancy, density, magnetism, or chemical reactions. Document your experiments and observations in a notebook.
- **Research Project:** Choose a scientific topic that interests you and conduct research on it. You could explore topics like renewable energy sources, the human body, environmental conservation, or the solar system. Create a presentation or report summarizing your findings.
- **Science Documentary Watching:** Watch science documentaries or educational videos on topics like climate change, space exploration, or the wonders of the natural world. Write a reflection on what you learned and any questions that arose from watching the documentaries.
- **Creative work: Make a model on any of the following topics on then thermocol:**
  - a) Cow digestive system
  - b) Human digestive system
  - c) Modes of nutrition in plants
  - d) Nutrition in amoeba
  - e) Types of teeth present in human being and there functions

- **Case based questions:**

(1).Take two potted plants of the same kind. Keep one in the dark (or in a black box) for 72 hours and the other in sunlight. Perform iodine test with the leaves of both the plants. Record the results. Now leave the pot which was earlier kept in the dark, in the sunlight for 3 – 4 days and perform the iodine test again on its leaves. Record the observations in a notebook. The leaves other than green also have chlorophyll. The large amount of red, brown and other pigments mask the green color.



Photosynthesis takes place in these leaves also. You often see slimy, green patches in ponds or stagnant water bodies. These are generally formed by the growth of organisms called algae. Algae are green in color because they contain chlorophyll which gives them the green color. Algae can also prepare their own food by photosynthesis.

**(1). For how many hours does the potted plant needs to be kept in dark.**

- (a) 48 hours                                      (b) 65 hours                                      (c) 2 hours                                      (d) 72 hours

**(2). Which colour of leaf have the maximum chlorophyll?**

- (a) Red    (b) Brown                                      (c) Orange                                      (d) Green

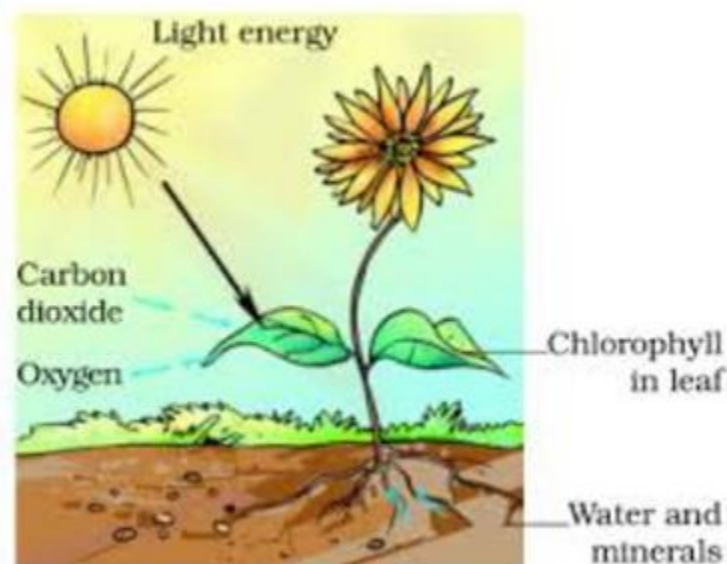
**(3) \_\_\_\_\_ are the slimy green patches in the pond.**

- (a) Plant    (b) Bacteria                                      (c) Algae                                      (d) Fungi

**(4). which organism other than plant can form its own food and through which process?**

**( 5) Give a reason. The formation of green patches form in a pond?**

2. Oxygen which is essential for the survival of all organisms is produced during photosynthesis. In the absence of photosynthesis, life would be impossible on the earth. During photosynthesis, chlorophyll containing cells of leaves, in the presence of sunlight, use carbon dioxide and water to synthesis' carbohydrates. The process can be represented in an equation: During the process oxygen is released. The presence of starch in leaves indicates the occurrence of photosynthesis. Starch is also a carbohydrate.



**(1). Which of the following organism produces oxygen?**

- (a) Humans                                      (b) Plants                                      (c) Bacteria                                      (d) Fungi

(2). **Photosynthesis occurs in the presence of light?**

- (a) True (b) False (c) Both (a)&(b) (d) None of the above

(3) \_\_\_\_\_ **component is essential for the survival of all the living organisms.**

- (a) Oxygen (b) Carbon dioxide (c) Nitrogen (d) Hydrogen

(4) **Write the equation of photosynthesis?**

(5) **What is the indication of the occurrence of photosynthesis in a plant?**

### **SUBJECT: MATHS**

- **Solve all the questions in holiday homework notebook.**
- **Write and learn tables from 2 to 30.**
- **DO the work in holiday homework notebook.**

1. Write and learn tables from 2 to 30 by counting method.
2. Find the mean of the height of all yours family members.
3. Make a bar graph to show the number of boys, girls, men and women in your street.
4. Find the area of your house by measuring the all sides in centimeter.
5. Find the mode of shopping list of the grocery of your home.
6. Find the median of your family member by making the table.
7. Find the fraction of number of members to the number of house in your neighbour.
8. Find the meter unit cost in electricity now a day?
9. Survey in your Village or town and find out the likes and dislike subject of children and find the mode of that.
10. Compare the weight of family members and arrange it in ascending and descending order with names and measurement.
11. Draw some three dimensional shapes presents in A4 sheet and write its name.

### **Project**

1. **Make a project on LCM and HCF. (Odd Roll no.)**
2. **Make a project on laws of exponent. (Even Roll no.)**

### **SUBJECT: SANSKRIT**

1. धातु- वस्त्वधातुस्मरणंलेखनंचकुरुत।
2. शब्दरूप - एतत्लिङ्गत्रयम्वारिचशब्दरूपाणिलेखनंस्मरणंचकुरुत।
3. एकतःपञ्चाशत्पर्यन्तसंख्यावाचक - शब्दाःलेखनंस्मरणंचकुरुत।

जो शब्द लिखे गए है उनकी की लिंग भी बताने है जैसे- पुलिंग, स्त्रीलिंग, नपुंसकलिंग

4. समाज में संस्कृत भाषा से जो विशेष कार्य किए जाते है वह अपने अभिभावकों से पूछ कर लिखो।

5. संस्कृतभाषायाः भविष्यं किमस्ति ?

संस्कृत भाषा का भविष्य क्या है?

6. निजस्यमातृ - पितृणां परिचयं संस्कृतभाषायां लिखत ।

7. भोजनालये प्रयोग - वस्तुनाम्नामसंस्कृत-भाषायां लिखत ।

भोजनालय में प्रयोग वस्तुओं के नाम संस्कृत-भाषा में लिखो ।

**SUBJECT: ENGLISH**

**All the home works must be done in Homework notebook**

1. Reading is to mind what exercise is to body and prayer is to soul.” We learn various aspects of life by reading and it makes us a better person. Read any story book, pick out 20 proper, common and material nouns from the stories you have read.

2. This summer help your mother in grocery shopping and list five countable and five uncountable nouns items of grocery which your mother buys every month. Also paste the wrappers of these items.

3. Visit any of the following places with your family Gurudwara, Temple, Church, Museum, Park or any Mall Write six to eight sentences on what you saw there and draw a related picture on A 4 size sheet. You can also click photographs of you visit with your family and stick them alongside to make it more interesting.

**4.Paragraph writing---MY SCHOOL, IMPORTANCE OF TREES, ANIMALS ARE OUR FRIENDS**

**5.Story Writing- THE GREEDY DOG, MOUSE AND THE LION, THE FOX AND THE CROW**

6. Write 50 verbs in its three forms---present-----past-----past participle and use past participle in sentence.

7. Write 40 singular nouns and their plural forms from yours daily routine.

8. Read all the lessons of the text books and pick up new words from first 2 chapters from text book and write their meanings

➤ **Write a paragraph and find out parts of speech in every sentence and write them below the paragraph:**

For example, Ram is a good boy. He is 11 years old.

Ram- Proper Noun

Is- Helping Verb

Good – adjective

Boy- common noun

He- personal pronoun

➤ **Read newspaper on daily basis, write and learn 10 words that are used in headlines.**

## **SUBJECT: -COMPUTER SCIENCE**

- Make a chart on Number System and Formulas, functions and charts in Ms Excel.
- Write 20 shortcut keys of MS Word, Ms Power point, Ms Excel on A4 sheet.
- Learn chapter 1 and 2.
- Make a model of **Computer System** or **Computer Network** on thermocol.

## **Subject:-Social Science**

### **Fill in the blanks.**

#### **Let us answer**

1. The land to the west of the ..... Hills, in Rajasthan, is rocky and sandy.
2. This is the Great Indian Desert, also known as the ..... Desert.
3. Thar stretches from the Rann of ..... in Gujarat through Rajasthan to the borders of Haryana.
4. The Thar Desert is covered with a thick sheet of loose .....
5. At some places, there are small hills of sand called .....
6. .... is the most important river in Thar.
7. A lush green area surrounding a water source in desert is called an .....
8. The land around an oasis is ..... land.
9. The Thar Desert remains ..... and ..... throughout the year.
10. In the desert it is very ..... or ..... rainfall.
11. River Satluj has been brought to the desert through the ..... Canal.
12. People love to eat dal- ..... in the desert region.
13. The desert people celebrate ..... and .....
14. .... and ..... are popular folk dances in the desert region.
15. .... is called the Pink City.

**Activity:** - In your scrapbook, paste the pictures of different types of rocks and write their characteristics.

**Project work:** - Create a chart or scrapbook with images, cuttings and various newspaper articles where the various schemes taken by the government to eradicate polio are evident.

- Make a list showing the various definitions of equality quoted by philosophers.
- Prepare a catchy slogan appealing to the Indian citizens for exercising their Right to Vote.
- Make a model of volcanic eruption on thermocol.
- Write all central ministers name in chronological order.
- Write about famous personalities (freedom fighters) of India (Any four).

## **Subject:-Hindi**

नोट - सभी विद्यार्थियों को ग्रीष्मकालीन अवकाशगृहकार्य करना अनिवार्य है गृहकार्य

सुंदरलेखवपृथककार्यपुस्तिकामेंहोनाचाहिए।

- 1) पेन का प्रयोग करते हुए प्रतिदिन एक पृष्ठसु लेख लिखो ।
- 2) उत्तर पुस्तिका में हुए कार्य को याद कीजिए।
- 3) महाभारत धारावाहिक को देखिए वह बताइए की महाभारत का युद्ध क्यों लड़ा गया।
- 4) निम्नलिखित विषय पर अनुच्छेद लिखिए -  
क ) स्वच्छ भारत अभियान ख ) महात्मा गांधी  
ग ) महंगाई की मार घ ) अनुशासन
- 5) वर्ण व उसके भेद विषय पर चित्र सहित चार्ट बनाइए (Mars)
- 6) संज्ञा व उस के भेद विषय पर चित्र सहित चार्ट बनाइए।[Venus]
- 7) चंद्रमाकेविभिन्नआकारोंकाचित्रबनाइएऔरशुक्लपक्षमेंकृष्णपक्षकेविषयमेंलिखिए।
- 8) यदिआपके घर में एक चिड़िया का घोंसला है और उस में बच्चे भी है ।अब आपनए घर में जा रहे हो तो उस घर को छोड़ने से पहले उस चिड़िया के बच्चों के लिएअच्छा इंतजाम करोगे लिखिए ।

### **Subject:-Gk**

#### **1. Write Assignment –**

- Write in fair notebook all the States and Union Territories of India with their capitals and learn it also
2. Make a chart on the following topics –
    - a. Classical dances of India. [Roll no. 1 to 12]
    - b. Parliament of India. [Roll no. 13 to 24]
  3. Make a project file on the national awards given in India as well as mention the name of 5 persons in each National Award winning category. (Such as Bhart Ratna, Ashoka Chakra, Arjuna Award, Sahitya Akadami Award etc.)
    - **Make a project file:** Find out 20 extinct animals or birds from the world and write 5 lines about each of them. (Take A4 size sheets for this and then put them in a file.)
    - Make a Model on the Seven Wonders of the World and write 10 lines about each on thermocol sheet.



**Vikram Sarabhai (12 August 1919 – 30 December 1971)** was an Indian physicist and astronomer who initiated space research and helped to develop nuclear power in India.



He was honoured with Padma Bhushan in 1966 and the Padma Vibhushan (posthumously) in 1972. The Physical Research Laboratory (PRL) was founded in 1947 by Vikram Sarabhai. PRL had a modest beginning at his residence, the "RETREAT", with research on cosmic rays. The initial focus was research on cosmic rays and the properties of the upper atmosphere. Research areas were expanded to include theoretical physics and radio physics later with grants from the Atomic Energy Commission.

His interests varied from science to sports to statistics. He set up the Operations Research Group (ORG), the first market research organization in the country. Along with his wife Mrinalini Sarabhai, he founded the Darpana Academy of Performing Arts. Other projects and institutions initiated or established by him include the Fast Breeder Test Reactor (FBTR) in Kalpakkam, Variable Energy Cyclotron Project in Calcutta, Electronics Corporation of India Limited (ECIL) in Hyderabad and Uranium Corporation of India Limited (UCIL) in Jaduguda, Jharkhand. Sarabhai started a project for the fabrication and launch of an Indian satellite. As a result, the first Indian satellite, Aryabhata, was put in orbit in 1975 from a Russian cosmodrome. He was the founder of Indian Space Research Organisation.