



# Maheshwari Public School

Jawahar Nagar, Jaipur

A Prestigious Co-Educational English Medium School

Governed by The Education Committee of The Maheshwari Samaj Society, Jaipur

Affiliated to CBSE, Delhi, Affiliation No. 1730004

It's summertime when faces light up with a smile as holidays are about to begin.

It's time for the children to feel free, unbound, high-spirited but safe at home.

Summer break is a vacation time students eagerly await for. So, now is the time to unlock the days creatively making the most while at home. So, adopt a herb, a house plant or a flower, bake a cake, sing-along, paint and draw and compose your own song or take up your hobby as the school announces the summer vacation.

To ensure that the children have a constructive holiday, some holidays' homework & projects have been given which will keep the child active and observant. These projects can easily be done by the children and parents could assist only where required. You can download the Holidays' Homework from the school website for your convenience and in case of any clarification, you may contact the teacher concerned as it shall be a part of the internal assessment.

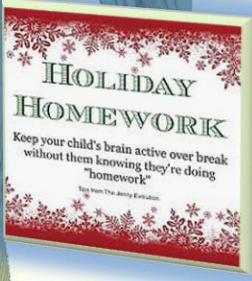
Stay safe, stay healthy!

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# Holiday Homework

Session 2023-24

Class-IX



## INSTRUCTIONS

1. All the assignments have to be done in the respective subject notebook / A4 size sheet or as instructed by the teacher.
2. Work should be neat and tidy.
3. Assignment should be according to the given guidelines.

## English

Q.1 Prepare a Project file on your favorite poet. Write his bio sketch, major works and achievements. Also draw a mind map (including poetic devices used) of any of his two poems.

Q.2 "If you work hard and know where are you going, you'll get there", says Evelin Glennie. You have read about the two musicians, Evelyn Glennie and Ustad Bismillah Khan. Do you think that they both have worked hard? Where did they want to go?

Answer these questions in two paragraphs, one of each of the musicians.

Q.3 Make a beautiful bookmark for your literature reader. Decorate it and write an inspirational quotation which inspires you. Get your bookmark laminated.

Q.4 Write any one article/poem/anecdote using your own creative writing skills, for your Annual School Magazine.

## हिंदी (HINDI)

(रचनात्मक एवं कला समेकित परियोजना कार्य)

- ❖ पाठ्यक्रम में निर्धारित सभी अलंकारों(अनुप्रास, उपमा, यमक, रूपक) के 5-5 उदाहरण काव्य पंक्तियों में लिखकर याद करें।(गृहकार्य कॉपी में)
- ❖ निम्नलिखित विषयों पर 100-120 शब्दों में लघु कथा लिखिए -
  1. संतोष में ही सच्चा सुख है।



2. अवसर चूकने के बाद पश्चाताप करना व्यर्थ है।(गृहकार्य कॉपी में)

- ❖ निम्नलिखित विषयों पर भाषण लिखकर कक्षा में प्रस्तुतीकरण हेतु तैयार कीजिए (गृहकार्य कॉपी में) -
  - मुझे प्रकृति की ओर
  - इंटरनेट की दुनिया
  - प्रदूषण:कारण और निवारण
  - विद्यार्थी व अनुशासन
  - योग और व्यायाम के लाभ
- ❖ राजस्थान व नागालैंड की वेशभूषा, लोकगीत तथा लोकनृत्यों का सचित्र वर्णन कीजिए।(file बनाएँ)
- ❖ अपनी हिंदी भाषा में और अधिक सुधार लाने के लिए, लेखन को आकर्षक व सुंदर बनाने के लिए, लेखन और वाचन कौशलों का विकास करने के लिए छुट्टियों में प्रतिदिन एक पृष्ठ हिंदी भाषा में लिखिए और एक पृष्ठ वाचन कीजिए। लेखन का यह अभ्यास अलग से कॉपी बनाकर कीजिए।

## संस्कृत

1) श्रीमद्भगवद्गीता के निम्न श्लोक हिंदी अर्थ सहित लिखिए तथा याद कीजिए -  
(गृहकार्य कॉपी में करें)

- द्वितीय अध्याय - श्लोक संख्या - 23, 47, 63
- चतुर्थ अध्याय - श्लोक संख्या - 7, 8

पाठ्यक्रम में निर्धारित सभी धातुरूपों से लट्, लृट्, लोट्, लङ् व विधिलिङ् लकारों में प्रत्येक लकार से एक-एक संस्कृत वाक्य बनाइए। (गृहकार्य कॉपी में करें)

2) संस्कृत-एकीकृत-कला-परियोजना-कार्यम्

राजस्थान-नागालैंडयोः कलावैशिष्ट्याधारित सचित्र परिचय लेखनम्

निर्देश : इन गतिविधियों को विद्यार्थी A4 शीट्स पर बनाकर फ़ाइल तैयार करें। जिसमें कम से कम आठ पृष्ठ शामिल हों-

1. मुख्य पृष्ठ:

2. स्व- परिचय: एवं परियोजना परिचय; विषय-अध्यापकनाम

3. कृतज्ञता-ज्ञापन

4. नागालैंडराजस्य सामान्य परिचय:

5. नागालैंडस्य कलानां परिचयः
6. राजस्थानस्य सामान्य परिचयः
7. राजस्थानस्य कलानां परिचयः
8. धन्यवादः

## FRENCH

- Q1 Décrivez votre acteur/ actrice préféré(e) en 5 lignes.  
 Q2 Décrivez l'apparence d'un camarade de votre classe en 5 lignes.

## Mathematics

- Q1. Find any six rational and six irrational numbers between  $\sqrt{5}$  and  $\sqrt{11}$   
 Q2. Write 3.379797979..... in the form  $\frac{p}{q}$ , where p and q are integers.  
 Q3. If  $\frac{3+2\sqrt{2}}{3-2\sqrt{2}} = a + b\sqrt{2}$ , then find the value of a and b.  
 Q4. Simplify :  $(0.00032)^{\frac{-3}{5}} \times (1.728)^{\frac{-2}{3}}$   
 Q5. If  $x - \frac{1}{x} = 3$ , then find  $x^2 + \frac{1}{x^2}$ ,  $x^3 - \frac{1}{x^3}$  and  $x^4 + \frac{1}{x^4}$   
 Q6. Simplify :  $\sqrt{m^2 n^2} \times \sqrt[6]{m^2 n^2} \times \sqrt[3]{m^2 n^2}$   
 Q7. Find x :  $2^{5x} \div 2^x = \sqrt[5]{2^{20}}$   
 Q8. Rationalise the denominator :  $\frac{1}{1 + \sqrt{2} + \sqrt{3}}$   
 Q9. Which is greater :  $\sqrt{13} - \sqrt{12}$  or  $\sqrt{14} - \sqrt{13}$   
 Q10. Do the following activities in your Mathematics lab manual :  
 (i) Square root spiral.  
 (ii) To factorise a polynomial of type  $x^2 + bx + c$ , by splitting the middle term.

## SCIENCE

### Physics

- Q-1 With the help of the examples explain distance and displacement.  
 Q-2 While traveling in your car or riding on your two wheeler do the following activities:



Note down the time when you start the journey.

Note down the reading of the odometer before the starting of the journey.

Write down the readings of the speedometer at different instant and places.

Write down the reading of the odometer at the end of the journey.

Note down the time at which your journey ends.

(i) With the help of above observations find average speed for the entire journey.

(ii) At different instants find instantaneous speeds of the car.

Q-3 Displacement of a body changes with time according to the equation  $x = 3t + 2$ . Find average velocity of the body during the time interval between 4 second to 9 second.

Find instantaneous velocity at the end of 7th second.

Also plot graph for the given equation.

## Chemistry

*Do the holiday homework in your homework notebook only.*

Q1. Make a Pictionary of 15 new words related from the chapters 1,2,3 and 4 of NCERT and also paste pictures related to the words.

Q2. Give reasons.

a) Smell of lighted incense stick spread several metres away.

b) Sponge though compressible, is a solid.

Q3. Write an activity with labelled diagrams to show that particles of matter are very small.

(Aim, Materials required, Procedure, Observations, Result)

## BIOLOGY

*Do the holiday homework in your homework notebook only.*

Q1. Draw neat and labelled diagrams of plant tissues or animal tissues.

Q2. Write the location and functions of either plant tissues or animal tissues.

Q3. Write the functions of the various cell organelles found in plant cell and animal cell. Also stick the pictures of the scientist who discovered them.

## SOCIAL SCIENCE

### INSTRUCTIONS:

- # Compile both the projects (1& 2) in one file.
- # It should be handwritten.
- # Paste pictures and mention the relevant data also.

### 1) PROJECT WORK

Prepare a project on any topic of Disaster Management.

### 2) PROJECT WORK

Prepare a file for comparative analysis of Rajasthan and Nagaland on the following points:

- 1) Culture
- 2) History
- 3) Religious beliefs
- 4) Fairs and Festivals
- 5) Vegetation and Wildlife

### 3) PROJECT WORK

Prepare a Project (in file) on the given topics:

1) Affects of Colonialism and the forest policies made by colonial government on forest biodiversity and indigenous communities living in and around forests.

Research study will be based on forests societies of India and Java. Parameters of assessment will be based on content accuracy, presentation ,creative and collaborative skills, research study.

## Artificial Intelligence

- Make a collage on real life AI applications and paste the printouts in the AI practical file.
- Paste the pictures of 17 SDG goals and label them in AI practical file.

## Data Science

Q1. In practical file, Count the no of spots you see on the 15 leopard images. Plot the data on a dot plot and write the answer of the below question:



- a. What is the color of leopard skin?
- b. How many spots are there on one side of leopard?
- c. What is the color of spots?

Q2. Make a list of all those certificates which are important and write them in your practical file. In your parents' mobile phone make a secure folder, scan all the important certificates and save them on this secure folder. Write the steps you performed for saving your data on mobile phone. [This is data backup example]

### Drawing & Painting

- ❖ Make a poster on the topic "**Nature Scene**" on a half imperial sheet.

### CRAFT

- ❖ Make a bird house using waste material. And decorate it.

### Instrumental Music (Harmonium/Flute and Guitar)

- ❖ Write komal sargam number 1 to 5.
- ❖ Draw the graphs of E minor, D, C & B cords.

### Vocal music

- ❖ Write any one patriotic song in music copy.

### Dance

- ❖ Write 5 lines on Ghoomar dance and paste a colourful picture on A4 size sheet.