



# 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

*"Sunshine, smiles, and a sprinkle of magic - it's summer once again! The season to let imaginations soar like kites in the sky and hearts dance to the tune of freedom."*

*Summer brings with it a symphony of laughter, rest, and a world of endless possibilities.*

*Let this summer be a canvas where every child can paint their dreams, sing their songs, and nurture a hobby that brings them closer to nature and to themselves. Encourage your child to explore, create, and discover - for learning does not take a break when the school bell stops ringing.*

*"Every summer has a story - let this one be full of wonder and growth."*

*To make the most of this time, we have designed a collection of engaging projects and activities that will not only keep the young minds active but will also help them learn while they play. These thoughtfully crafted assignments are meant to spark curiosity, inspire creativity, and promote family bonding. Parents are welcome to lend a hand but remember - let the child's imagination lead the way.*

*You can download the Summer Holiday Homework from the school website. For any clarification or assistance, feel free to reach out to the concerned teachers. Each assignment will form an integral part of the internal assessment.*

*"A summer well spent is a summer well remembered."*

Stay safe, stay curious, and keep the spirit of learning alive!

Wishing you a vibrant, joyful, and Sun-kissed Holidays!

# HOLIDAY HOMEWORK

## 2025-26

### ENGLISH

Q.1 There is something undeniably charming about the playful spirit and unwavering affection of dogs. Dogs are loyal, loving and endlessly forgiving creatures who have a knack for warming our hearts. Create a POSTER on an A4 size sheet on the do's and don'ts for your pet based on the reading of "A Triumph of Surgery ".

Q.2 Rewrite the story 'A Letter to God' from your textbook (First Flight) as a movie script. (Invent 10 -12 creative dialogues between Lencho and God, Lencho and Post master)

Q.3 As a part of your integrated project, under 'Ek Bharat, Shreshth Bharat ' Prepare a file (Nagaland/ Rajasthan) on the following topics:

1. Location, physical features, weather, climate, population, best time to visit
2. Historical Buildings & Monuments
3. Food and Cuisine
4. Festivals, Customs and traditions
5. Flora and Fauna
6. Agriculture and Industries
7. Religious Places

# HINDI (हिंदी)

ग्रीष्मावकाशकालीन गृहकार्य

(रचनात्मक एवं कला समेकित परियोजना कार्य)

- पाठ्यपुस्तक 'क्षितिज' के पाठ- 1(सूरदास) तथा पाठ- 8(बालगोबिन भगत) पर आधारित 5 अतिलघूत्तरीय (Very Short) व 5 लघूत्तरीय (Short) प्रश्नोत्तर तैयार कर लिखिए। (गृहकार्य कॉपी में)
- 1)'पिछड़े इलाकों में बालिका - शिक्षा के प्रति जागरूकता फैलाने हेतु 25-50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए। (गृहकार्य कॉपी में)
- 2)रजिस्टर एवं कॉपियाँ बनाने वाली कंपनी 'रचना' के प्रचार -प्रसार हेतु 25-50 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए। (गृहकार्य कॉपी में)
- 1) स्वयं को अंकिता / अंकित चटर्जी मानते हुए अपने क्षेत्र में वृक्षारोपण का सुझाव देते हुए वन विभाग के अधिकारी को ई-मेल लिखकर अपने विचारों से अवगत कराइए। (गृहकार्य कॉपी में)
- 2) विद्यालय पाठ्यक्रम का बोझ कम करने के संबंध में सुझाव देते हुए केंद्रीय शिक्षा बोर्ड के निदेशक को ई मेल लिखिए। (गृहकार्य कॉपी में)
- राजस्थान व नागालैंड की संस्कृति, पर्व-त्योहारों,भाषा एवं साहित्य का सचित्र वर्णन कीजिए। (अलग से 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।

# SANSKRIT (संस्कृत)

## ग्रीष्मकालीन गृहकार्य

1. श्रीमद्भगवद्गीतायाः निम्नलिखितान् श्लोकान् अर्थसहितं गृहकार्यसंचिकायां लिखत स्मरत च-

द्वितीयः अध्यायः - श्लोक संख्या - 20,22,23,47,62,63,71

तृतीयः अध्यायः - 21,37

चतुर्थः अध्यायः - 38,39

2. दैनिकसमाचारपत्रेषु आगतानां केषाञ्चित् पञ्चचित्राणां पञ्च-पञ्च संस्कृत वाक्येषु वर्णनं कुरुत। (गृहकार्यसंचिकायां चित्राणि अपि योजयत )
3. ग्रीष्मावकाशस्य सदुपयोगविषये द्वयोः मित्रयोः परस्परवार्तालापं संवादरूपे गृहकार्यसंचिकायां लिखत।

4. संस्कृत-कला-समेकित-परियोजना-कार्यम्-

राजस्थान-नागालैंडयोः कलावैशिष्ट्याधारित सचित्र परिचयलेखनम्

(न्यूनतम-अष्ट पृष्ठात्मकं, A4 पृष्ठेषु फ़ाइलरूपे)

निम्नलिखितबिन्दवः सम्मिलिताः स्युः -

1. मुख्य पृष्ठः

2. स्व-परिचयः, परियोजना परिचयः, विषय-अध्यापकस्य नाम

3. कृतज्ञता-ज्ञापनम्

4. नागालैंडराज्यस्य सामान्य परिचयः

5. नागालैंडस्य कलानां परिचयः

6. राजस्थानस्य सामान्य परिचयः

7. राजस्थानस्य कलानां परिचयः

8. धन्यवादः

# FRENCH

**Dear Students, please do this Holiday HW in Notebooks using Blue black pens.**

**Q1. Écrivez un dialogue (10-12 phrases) entre deux amis et le garçon au restaurant.**

**Q2. Écrivez une lettre à votre ami lui décrivant le système éducatif français.**

**Q3. Complétez avec le pronom relatif composé.**

- i) Pouvez-vous me donner l'adresse de la personne .....vous avez écrit. (à)
- ii) Nous nettoyons l'aquarium .....on a retiré les poissons. (de)
- iii) L'ouvrier a besoin de ses outils sans .....il ne peut pas travailler.
- iv) Je ne trouve plus l'album dans.....j'ai rangé mes photos.
- v) La table sur .....il est monté est en verre.
- vi) C'est la ville .....je pense beaucoup. (à)
- vii) Le train dans .....il est monté est bondé.
- viii) Donne-lui l'argent avec .....il fera du shopping.
- ix) On lui a posé des questions .....il a répondu sans hésitation. (à)
- x) Voici mes amis avec .....j'ai fait un voyage en Chine.

**Q4. Collez des photos de chefs des États de France et de l'Inde avec leurs drapeaux. Écrivez également 4 accords signés entre l'Inde et la France lors de la dernière visite du président français.**



# MATHEMATICS

## 1) ART INTEGRATED PROJECT WORK

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

1. Literacy rate of Males and Females by drawing Bar Graph.
2. Occupation (Primary, Secondary and Tertiary) by drawing Pie Chart.

Note:

- ❖ Compile your project work in a file.
- ❖ It should be handwritten.
- ❖ Draw the Bar Graph and Pie Chart only. Mention the relevant data also in tabular form.

## 2) Do the following activities in Maths Lab Manual:

- i) Activity 2 - Quadratic Polynomial
- ii) Activity 3 – Pair of linear equation in 2 variables.

## 3) Solve the following questions in home work copy:

- 1) If -2 & 3 are zeroes of the polynomial  $x^4+ax^2+bx+b$ , find a and b.
- 2) Sum of two positive integers is 52 and their LCM is 168. Find the numbers.
- 3) If  $\alpha$  and  $\beta$  are the zeroes of the polynomial  $p(x) = 2x^2 + 5x + k$ , satisfying the relation,  $\alpha^2 + \beta^2 + \alpha\beta = \frac{21}{4}$  then find the value of k.
- 4) Rahul has two vessels containing 720 ml and 405 ml of milk respectively. Milk from these containers is poured into glasses of equal capacity to their brim. Find the minimum number of glasses that can be filled.
- 5) Prove that  $\frac{2}{3 + 2\sqrt{3}}$  is an irrational number.

# SCIENCE

## PHYSICS

Do all questions in Home Work Copy.

Q- 1 What is nature of light? Write some important properties of light. On what basis will you say that light is an electromagnetic wave?

Q- 2 What do you see in the diagram given below? At the base of the picture we see a mirror, what type of the mirror is this? What is the function of the mirror in the instrument? Also draw the diagram for the image formation by the mirror in the given case.



Q- 3 (a) A concave mirror is used in torches, search lights and head lights of the vehicles, while a convex lens is used in street lights. Why? Give reason. Also draw ray diagrams for the image formation in both the cases.

(b) Why is a convex mirror used as a rear-view mirror? Give reasons for your answer.

Q- 4 What will be the nature and size of the image formed for the following set of magnification.

- (a)  $m=+1$ ,      (b)  $m=+2$ ,      (c)  $m=+\frac{1}{4}$ ,      (d)  $m=-1$ ,      (e)  $m=-2$ ,  
(f)  $m=-\frac{1}{2}$

## Chemistry

Do your work in Chemistry Copy (H.W. Part)

Q1. Create a poster "Chemistry in kitchen" illustrating how chemical reactions are involved in common kitchen activities like cooking, baking and cleaning. (Write the important compounds, compositions, chemical reactions involved in it).


Q2. Write the balanced chemical reactions and classify them into combination, decomposition, displacement and double displacement reactions.

- Action of water on quicklime.
- Action of heat on ferrous sulphate crystals.
- Iron nails kept in copper sulphate solution.
- Reaction between sodium sulphate and barium chloride solution.
- Silver chloride is exposed to sunlight.
- Breakdown of water into hydrogen and oxygen on passing electricity.
- Zinc granules kept on copper sulphate solution.
- Action of heat on lead nitrate crystals.

Q3. Write any 7 precipitation reactions and also write the colour of the precipitate formed in the Chemical Reaction.

Q4. Complete the puzzle given below:

**CHEMICAL REACTIONS  
CROSSWORD**



**Across**

- 3) Reaction that takes in energy in the form of heat
- 6) Factor affecting the rate of reactions
- 9) Reaction that gives out energy in the form of heat
- 10) Gain of oxygen by a substance during a chemical reaction
- 11) Substance which slows down or stops a chemical reaction
- 13) Substance that participates in a chemical reaction
- 14) Chemical reaction in which a single compound breaks down into two or more elements or compounds

**Down**

- 1) Reaction between an acid and base forming water and salts
- 2) Solid that forms from a solution during chemical reaction
- 4) Reaction in which one element replaces another within a compound
- 5) Substance formed as a result of a chemical reaction
- 7) .... energy is the energy needed to start a reaction
- 8) Substance that speeds up a reaction without being consumed
- 12) Chemical link that holds molecules together



## **Biology**

Note: Do all questions in bio HW copy.

Q.1.a) A plant X is enclosed in a glass jar with some lizards. A similar plant Y is enclosed in another glass jar but without lizards. Both the jars are kept under the same light conditions for a few hours. Which plant is likely to photosynthesize more and why?

b) Explain three events that take place during photosynthesis.

Q.2.a) What is hemodialysis? What type of patients are put on dialysis machine? Explain the principle of dialysis with labelled diagram.

b) Draw the excretory system in human being and label the following organs which perform the following functions:

i) Forms urine.

ii) A long tube which collects urine from kidney

iii) Stores urine until it is passed out of the body.

Q.3.Explain why:

a) There is difference in the breathing between aquatic organisms and terrestrial organisms.

b) Walls of ventricles in heart are thick and muscular as compared to Atria.

Q.4 Plants naturally adjust the angle and direction of their leaves to capture more light for efficient food production.

Study the effect of direction of sunlight on leaf orientation in plants. Include following points in your experiment:

1. HYPOTHESIS
2. MATERIAL REQUIRED
3. PROCEDURE
4. PASTE PICTURES
5. OBSERVATION TABLE

### **OBSERVATION TABLE**

DAY	LEAF ORIENTATION	OBSERVATION (EXPLAIN ANY GROWTH /TILT)
1	STRAIGHT UP	
2	SLIGHTLY BENT	
3	SLIGHTLY TILTED TOWARDS WINDOW	
4	INCREASED BENDING	
5	STRONG TILT TOWARDS SUNLIGHT	

Note: Write practical work in the science lab manual. Details related to the practical work will be shared by the subject teachers in the class groups.

# SOCIAL SCIENCE

## INSTRUCTIONS:

Students are required to compile all the projects into a single document.

1. Projects should be handwritten.
2. Paste pictures and mention the relevant data also.

## Project-1

Prepare a project on any one of the following given topics:

- ❖ Consumer Awareness
- OR
- ❖ Social Issues
- OR
- ❖ Sustainable Development

## Project-2

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

1. Geographical Location of the states in the political map of India.
2. Occupations of the people
3. Agricultural practices.
4. Tribals of both states.
5. Regional diversity in relation to the following:
  - a. Food
  - b. Culture
  - c. Festivals
  - d. Mode of transport

## Project -3

Prepare a project in file on Globalization keeping following topics in mind:

1. History of Globalization from 1815-1914.
  2. Role of technology in Globalization and how it leads to economic crisis.
  3. Impact of Globalization on different means of transport.
- Parameters of assessment will be based on content accuracy, presentation, creative and collaborative skills, research study.

# ARTIFICIAL INTELLIGENCE

**Note: Do all of these Artificial Intelligence activities in AI portfolio.**

**1. Write a report of your MPSMarathon-2025 on wordtune.com editor and edit the report using Ask AI feature and paste the printout in AI portfolio. Use the link given below:**

**<https://www.wordtune.com/>**

**2. Judge the Self-Driving Car Scenario, Take the screenshots of the Results and paste in AI portfolio.**

**<https://www.moralmachine.net/>**

**3. Understand the concept of Image Kernels, select any type of kernel to - Blur, Identity, sharpness, Emboss etc.**

**[Image Kernels explained visually \(setosa.io\)](https://setosa.io/image-kernels/)**

**Take the screenshot of the input image, output image with corresponding values in middle –Paste both input and outputs image in AI portfolio.**

**4. Create a sprite using this link, take screenshot or download the image and paste it in AI portfolio.**

**[Piskel - Free online sprite editor \(piskelapp.com\)](https://piskelapp.com/)**

**5. Using the below link show the impact of rise in Temperature on different Species and paste few print outs showing the impact in AI portfolio.**

**[Climate Change Impact Filter](#)**

# **DRAWING & PAINTING**

Make a beautiful painting on any one of the following Musical Performances.

1. (Rock Dance Performance)
2. (Instrumental music Performance)  
(size - full imperial sheet).

## **CRAFT**

Make a planter.

Material required:

Cement, hand towel, plastic pot.

Reference pictures:



## **DANCE**

Note: Questions to be done on A4 size sheet.

Q1. Prepare your own dance on the song "We will rock you"

Q2. Answer in short:

1. In which country did Tango originate?
2. Name the western dance style with intense footwork, often related with Kathak.

## **VOCAL MUSIC**

Write Patriotic song in music copy.

## **INSTRUMENTAL MUSIC**

Write biography of Sachin Jambekar / Pandit Hariprasad Chaurasia

/Vishwa Mohan Bhatt in music copy.