



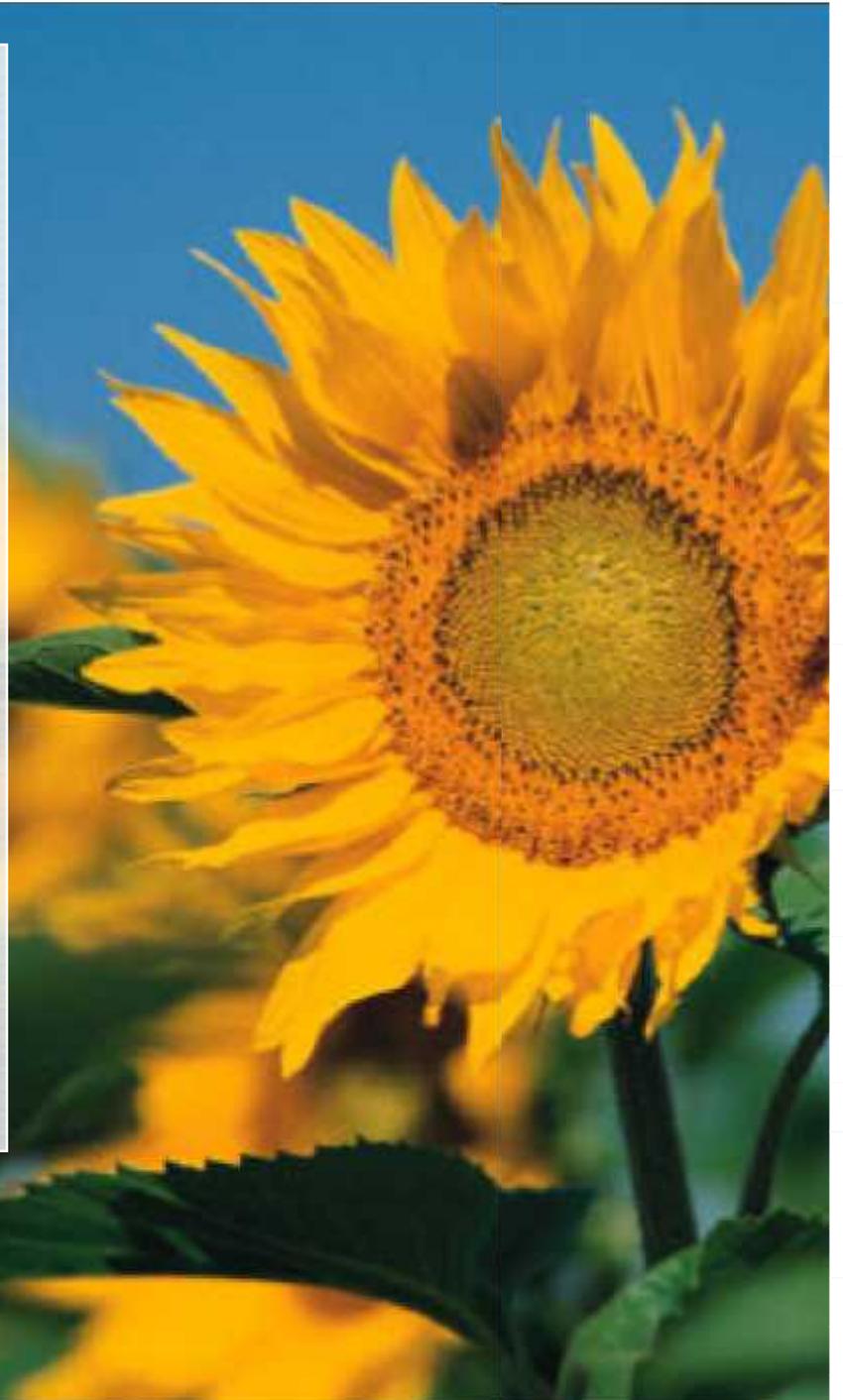
Mahaveer Public School



Summer Holiday Home Work

Class - IX

2018



Summer Holiday Homework

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MATHEMATICS

1. To represent $\sqrt{34}$ on number line using graph paper.
2. To verify the algebraic identity : $(a+b)^3 = a^3 + 3ab(a+b) + b^3$.
3. To represent a linear equation in two variables graphically.
4. To obtain mirror image of figure with respect to a given line on a graph paper.
5. To find the following using paper folding :
 - (a) The perpendicular bisector of line segment.
 - (b) The perpendicular to a line at a point given on line.
6. Design a crossword puzzle with some mathematical terms and the words should be filled ACROSS and DOWN.
* The above work should be done in File with A 4 size sheet.

SCIENCE

Physics:

Plan to go to a place by a vehicle. Take readings of odometer and speedometer after every 5 minutes till you reach your destination. Record these observation in tabular form; plot graphs between distance – time and speed – time. State whether this motion is uniform or non uniform. Do any 15 numerical from chapter 8(Motion).

Biology:

Observe any 5 plants and animals of your area and record your observations on the basis of the following:

- 1- Name of the plant/ Animal.
- 2- Scientific name (Ref pg no. 96)
- 3- Habitat
- 4- Body design

Chemistry:

Differentiate states of Matter, Collect different samples or pictures related to solid/liquid/Gaseous state and write specific properties of all the states.

ENGLISH

- Q1. Write a Daily Diary Entry In about Fifty Words, describing the events of the day during your summer vacations.
- Q2. Write a Motivational slogan on Patriotism and decorate it.
- Q3. Read the Drama “If I were you” (Chapter 11 Of Beehive) Write the character sketch of Gerrard.

The Holiday homework is to be done in Grammar Notebook.

SOCIAL SCIENCE

As per the directives of CBSE, students of class IX have to prepare a project on DISASTER MANAGEMENT.

Choose any one disaster of your choice from the list given below.

1. Earthquake 2. Landslide 3. Tsunami 4. Volcano 5. Floods 6. Cloudburst
7. Sandstorm 8. Accidents(road,rail,air) 9. Chemical leaks 10. Global warming
11. Fire 12. Terrorism 13. Drought

The students are requested to do a case study on the topic of their choice from the above list.

The project has to be presented in the following manner.

- 1.Introduction 2.Causes 3.Impacts 4.Do's and don'ts 5.Governments and NGO's interference and rehabilitation.
6. Suggestions 7.Case study 8.Picture gallery 9. Bibliography

NOTE:-The project should not exceed more than 10 pages.

HINDI

ग्रीष्मकालीन हिन्दी परियोजना कार्य

बाढ़ को परिभाषित करते हुए इससे होने वाली लाभ हानियों को अपने अनुभव के आधार पर लिखिए। यथा संभव चित्र भी चित्रांकन कीजिए।

SANSKRIT

ग्रीष्मकालीन संस्कृत परियोजना कार्य

उद्यानं, आपणम्, जन्तुशाला, बस/रेल स्थानम् क्रीडाक्षेत्रम् इन चित्रों को चिपकाकर प्रत्येक पर संस्कृत भाषा में पांच-पांच वाक्य लिखिए।

IT

1. Create any one poster using word processing software on
 - a. Cyber Safety
 - b. Cyclone
 - c. Swachh Bharat
 - d. Save Girl Child
2. Create table using word processor and write any five mathematical formulae and five chemical equations

Special notes

1. Take printout of both the activities and paste it in the notebook.
2. Apply necessary formatting wherever required