

HOLIDAY HOMEWORK 2017-18**Class: VIII**

This year, your holiday homework is a fun mix of all the aspects of learning. It has been designed to ensure that you enjoy and learn at the same time. Special attention has been taken to ensure that you use your creativity, your innovative ideas and your imagination to shape your holiday homework into fantastic 'creations'. So enjoy your holidays spending quality times with your near and dear ones and devote sometimes to learn new things.

General Instructions:

- Holiday Homework of all subjects to be done in **separate Scrap Book/ Stick File** (only).
- The areas to be covered are suggested below. You can of course use your creativity and innovation for new ideas too!
- Credit will be awarded to original photographs/ drawings, illustrations and creative use of materials.
- **While interacting/interviewing people/neighbours/relatives for your Holiday Homework kindly remember the following points:**
 - Greet them.
 - Be polite.
 - Introduce yourself.
 - Show your school ID card.
 - Tell about your school.
 - Explain them about the Holiday Homework which has been assigned to you.
 - Get their phone number/ address/ Email ID.
 - You may click photos of your interactions.
- Holiday Homework needs to be submitted on 10th July 2017.
- Holiday Homework needs to be developed and presented in this order:
 - Cover page showing title, student information, school and academic year.
 - List of contents with page numbers.
 - Acknowledgements (acknowledging the institution, offices and libraries visited and persons who have helped).
 - The last page should have Bibliography/ Sources of information from where you have collected your information.

Subject: English

1. Read the book, **HARD TIMES** and do the following assignment:

a. Information about the author, your favourite incident or chapter from the book, your reason for liking the book.

b. Write pen-pictures of the following characters:

i. Thomas Gradgrind ii. Louisa iii. Josiah Bounderby

2. You share a mailman, a fence and probably a cup of sugar in a pinch, but how much do you know about your next-door neighbour? Whether your neighbour is new to the hood or has been there for decades. So this summer know your neighbours by interviewing them on their likes, dislikes and knowledge of the neighbourhood. Here are few questions/ clues you can ask to get the conversation started. You need to interview **four** of your neighbours.

- Name of the neighbour/ Profession/ Age/ Members in family
- When did you move into the neighbourhood?
- How was it different that it is today?
- Tell me about your previous next-door neighbour.
- What sounds do you hear from your house on a daily basis?
- What do you like to look at out of your window?
- What sights, sounds or smells do you notice coming from our house?

- What is your favourite neighbourhood walk?
- Tell about one of neighbours that you know.

Make it interesting. Your interview must have a lot of details for the reader to understand the neighbours better.

Subject: Mathematics

1. Solve the following:

- i. Find the least number of six digits, which is a perfect square.
- ii. Find the smallest number by which 1100 must be multiplied so that the product becomes a perfect square. Also, find the square root of the perfect square.
- iii. Find the square root of 2.9 correct up to two places of decimal.
- iv. Find the square root of 3 correct up to two places of decimal.
- v. Find the square root of 1764.
- vi. Find the side of a square whose area is 1024 m^2 .
- vii. Find the value of $\frac{\sqrt{3249} - \sqrt{2209}}{\sqrt{361} - \sqrt{81}}$.
- viii. Represent the rational number $\frac{12}{5}$ on the number line.
- ix. Represent the rational number $\frac{13}{6}$ on the number line.
- x. Represent the rational numbers $\frac{2}{9}$, $\frac{5}{9}$, $\frac{8}{9}$ on a number line.
- xi. Find two rational numbers between 0 and $\frac{7}{9}$.
- xii. Find five rational numbers between $\frac{3}{5}$ and $\frac{2}{3}$.
- xiii. Find four rational numbers between $\frac{7}{9}$ and $\frac{1}{3}$.
- xiv. Find ten rational numbers between $-\frac{1}{10}$ and $-\frac{2}{5}$.
- xv. Find five rational numbers less than -3 .

xvi. For $a = \frac{2}{3}$, $b = -\frac{5}{6}$ and $c = \frac{1}{2}$, prove that $a \times (b + c) = a \times b + a \times c$.

- xvii. Find the Cube root of 658503
- xviii. The smallest number by which 392 must be multiplied so that the product is a perfect cube
- xix. The smallest number by which 100 must be multiplied to obtain a perfect cube

On a certain day, Madhur travelled $\frac{35}{8}$ miles by a motor-bike, 60 miles by a train and $\frac{3}{2}$ miles on foot.

xx. The total distance Madhur had travelled is

2. This summer, you need to meet 15 people and collect the data about the interest of their sports:

The following data sheet can be used for it:

S.no	Name of the person	Relation	Name of sports
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Prepare tally marks table as follows:

Name of the sports	Tally marks	Frequency
FOOT BALL		
CRICKET		
BASKET BALL		
BADMINTON		
TABLE TENNIS		
SQUASH		
SWIMMING		
VOLLEY BALL		
CHESS		
HOCKEY		
TOTAL		15

Represent the above data by using Pie graph.

Subject: Science

1. This summer, let's plan something fun-filled for you. It will be a great idea if you collect minimum ten different fabric swatches from different sources, it could be your neighbourhood, some local fabric retailer or some factory outlet. Please take care of the following points, while you do your project:

- There should be a mix and match of natural and man-made fabrics.
- You have to write the source from where you obtained each one of them.
- The monomers they are made up of.
- Learn about warp and weft of the fabric and write what are they made up of in each fabric.
- List the common uses of each type of fabric.
- Let the presentation be beautiful and creative as best as you can.

2. An **earthquake** (also known as a **quake**, **tremor** or **temblor**) is the shaking of the surface of the Earth, resulting from the sudden release of energy in the Earth's lithosphere that creates seismic waves. Earthquakes can range in size from those that are so weak that they cannot be felt to those violent enough to toss people around and destroy whole cities. The seismicity or **seismic activity** of an area refers to the frequency, type and size of earthquakes experienced over a period of time. It is a life threatening event that is responsible for the huge damage to the living and non-living beings. This summer, collect the following data related to earthquake:

- Name of three different areas of India which faced earthquake after the year 2000.
- Intensity of those earthquakes.
- Name of the three areas of the world (**excluding India**) which faced earthquakes after the year 2000.
- Intensity of those earthquakes.
- Draw a well labelled diagram of seismograph.
- In what ways does an earthquake affect the life of the people living at the earthquake affected sites?

Compile the data in the following table:

S. No.	Name of place	Year	Magnitude of earthquake	Casualties due to earthquake

Subject: Social Science

1. Climate change is the change in our weather patterns that are occurring because of an increase in the earth's average temperature. It is also known as global warming. Climate change may result from both

natural and human causes though the human causes appear to be increasingly responsible for climate change over the past few decades.

Do a research project to study the climate change in your city/ state, the specific areas of change (rainfall/temperature/habitat/resources), the reasons for these changes, their implications as well as strategies to deal with the climate change.

2. Public service is a service which is provided by government to the people living within its jurisdiction, either directly or by financing provision of services. The term is associated with certain services that should be available to all, regardless of income, physical ability or mental acuity. Public policies are made in the public's interest.

Several schemes are launched by the Government of India to provide basic facilities to the people of India. Conduct a survey by interacting with – High Income group, Low Income group and Below Poverty Line people and take their view points and suggestions on the schemes launched by the Government of India.

Some of the schemes launched by the Government of India are as follows:

- Make In India
- Digital India Programme
- Smart City Mission
- Sukanya Samriddhi Yojana
- Cashless Society
- Swachh Bharat Abhiyan
- Kisan Vikas Patra
- Pradhan Mantri Awas Yojana
- Skill India Mission

You have to follow the following format while conducting the interview:

S.No.	Name of the Person	Income group	Scheme	Feedback	Suggestion
1					
2					
3					

Subject: Hindi (II Language)

- 1- अपने किसी पारिवारिक मित्र, नौकर- नौकरानी या ड्राइवर का साक्षात्कार लीजिये. साक्षात्कार उनकी पारिवारिक पृष्ठभूमि, शिक्षा, पारिवारिक जिम्मेदारी आदि बिंदु पर होने चाहिए.[minimum 10-12 questions]
- 2- निम्नलिखित चित्र को देखकर एक कहानी लिखो। [180-200 words]



[OR]

- 3- वसंत ऋतु में आनेवाले त्योहारों के विषय में जानकारी एकत्र कीजिए और किसी एक त्योहार पर निबंध लिखिए। [180-200 words]

Subject: French (II Language)

1. Ecrivez votre Journée pendant les vacances en 20 lignes.
(Write 20 lines about your daily routine during the holidays in French)

2. Parlez à vos 3 amis et demandez-les les directions à leur école. Dessinez ces cartes de directions et écrivez 10 lignes pour chaque situation.

(Interact your 3 neighbourhood friends and ask them for directions to their schools. Draw those direction maps and write 10 lines about each one of them.)

Subject: German (II Language)

1. Sprechen Sie mit deine Freund/ Verwandte und fragen nach den Weg zu der Schule/Büro/Arbeit. Zeichnen Sie die Landkarte und schreiben Sie über jede 10 Punkte.

(Interact your 3 friends/relatives and ask them for directions to their schools/office/work place. Draw those direction maps and write 10 lines about each one of them.)

2. Was machen Sie Fit zu bleiben? Schreib 15-18 Punkte

(What do you do to remain fit? Write 15-18 points)