

**HOLIDAY HOMEWORK 2019**

**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 Stick Files** (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.
- Holiday Homework needs to be submitted on 10<sup>th</sup> July 2019.
- Holiday Homework needs to be developed and presented in this order:
  - Cover page showing title, student information, school and academic year and parent’s signature.
  - List of contents with page numbers.
  - The last page should have Bibliography/ Sources of information from where you have collected your information.

**Subject: English**

❖ Design your own newsletter on the given theme (at least 10 pages). It should have the following aspects-

**Theme – Summer Vacation**

1. An attractive cover page with a backdrop photo.
2. Give a creative name to the newsletter.
3. An editorial
4. An article on “Save Water”
5. Creative Corner (Stories/ Poems/ Jokes/ Puzzles/ Riddles)
6. Maze game/ Sudoku/ Crossword
7. Moods and Moments
9. Memorable dates and trips
10. Interview with any of your relatives / family friends/ grandparents

**Subject: Mathematics**

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

2. Using appropriate properties of rational numbers, find  $\frac{7}{11} + \left[ \frac{5}{7} + \frac{3}{22} \right]$

3. Represent the rational number  $12/5$  on the number line.

4. Represent the rational number  $13/6$  on the number line.

5. Represent the rational numbers  $\frac{2}{9}$ ,  $\frac{5}{9}$ ,  $\frac{8}{9}$  on a number line.
6. Find two rational numbers between 0 and  $\frac{7}{9}$ .
7. Find five rational numbers between  $\frac{3}{5}$  and  $\frac{2}{3}$ .
8. Find four rational numbers between  $\frac{7}{9}$  and  $\frac{1}{3}$ .
9. Find ten rational numbers between  $-\frac{1}{10}$  and  $-\frac{2}{5}$ .
10. The sum of two numbers is 52. The second number is 10 more than the first.  
Find the numbers.
11. The sum of three consecutive even integers is 270. Find the integers.
12. The sum of three consecutive integers is 246. Find the integers.
13. The sum of three consecutive multiples of 7 is 777, find the numbers.
14. The ratio of two complementary angles is 4 : 5. Find these angles and ratio of their supplementary angles.
15. Solve:  $-3(x+2) = -12$
16. Solve:  $5a + 5 = 20$
17. Solve:  $-2 + g = 7$
18. Solve:  $7a + 2 = -12$
19. If  $3x + 2 = 12$ , then find the value of  $6x + 4$ .
20. Solve the following equation:  $2(7b + 12) = 24$
21. Solve:  $4 - 5x = -21$
22. If  $11x - 7 = 26$ , then find the value of the expression  $(x - 3)$ .

23. Construct a quadrilateral PQRS where PQ = 4 cm, QR = 6 cm, RS = 5 cm, PS = 5.5 cm and PR = 7 cm.
24. Construct a quadrilateral ABCD, where AB = 4 cm, BC = 5 cm, CD = 6.5 cm and  $\angle B = 105^\circ$  and  $\angle C = 80^\circ$ .
25. **Draw a quadrilateral LIFT in which LI = 4cm, IF = 3cm, TL = 2.5cm  
LF = 4.5cm and IT = 4cm**

### Subject: Science

- ❖ The technology is spreading worldwide. So are the latest innovations in the field of robots. With the latest invention of First Humanoid Robot named **SOPHIA**, The scientists and technology have given a tough challenge to future generation.
  - Collect information, pictures of various fields where **SOPHIA** is helping humans with its fast and high tech functions.
  
- ❖ Imagine you are being deployed by the government to initiate a campaign on "**Say no to Plastics and give up plastic bags**". **Plan strategically how to convince local people** who have no science background about harmful effect of plastic. **You can include following points:**
  1. Use of plastic has increased in developing countries.
  2. Non-biodegradable nature of plastics.
  3. Harmful gases extracted after burning of plastics.
  4. Ill effects of plastics on environment.
  5. Pollution

**Write a slogan and design a poster for your campaign.**

### Subject: Social Science

#### HISTORY

1. **Portfolio:** Collect pictures of Indian National Freedom Fighters and paste them on A 4 size sheets. Divide them into different categories like (i) Moderates, (ii) Extremists (iii) Social Reformers .Write a short note about each one of them.
2. **Research Work :**  
Collect pictures and write an article **on Shantiniketan- An Abode of Peace**

#### GEOGRAPHY

1. **Map work:- On a Map of the World, mark the following places :**
  - (i) Major Iron Ore producing areas
  - (ii) Mineral Oil and coal producing areas
2. **Research Work :**  
Collect pictures and write an article **on Various Types of Agricultural Farming done in India**

#### CIVICS / SPL

1. **Research Work:** Collect pictures and write an article **on Public Water Supply Issues**

**Subject: Hindi (II Language)**

आप जीवन में किसे अपना आदर्श मानते हैं ? उनके कौन से गुणों को आप अपना चाहते हैं और क्यों ? अपने आदर्श व्यक्ति का चित्र चिपकाएं I (130-150 शब्दों में)

**Subject: French (II Language)**

1. Dessinez la Carte de la France et montrez –  
(Draw the Map of France and show- )
  1. Les villes principales (important cities)
  2. Les rivières principales (main rivers)
  3. Les montagnes (the mountains)
  4. Les pays voisins (neighbouring countries )
2. Ecrivez votre journée en 20 lignes en utilisant l'heure.  
(Write your daily routine in 20 lines using time.)

**Subject: German (II Language)**

1. Probier ein traditionales Rezept von deinem Heimat und schreib das Rezept .(Zubereitung, Ingredient was man dafür braucht....) (150- 200 Wörtern)

Try a traditional recipe from your home town and write the recipe.(The preparation, Ingredient and what all things are required for same....) (150-200 words).

2. Schaut die Bilder an und schreibe 10-12 Sätze mit Hilfe diesen Wörtern (Spaß, Familie, Essen, Freunde, Zirkus, Spiele, Montag.....)

Look at the pictures and write 10- 12 sentences with the help of these words (fun, family, food, friends, circus, play, monday.....)

