

**HOLIDAY HOMEWORK 2019**

**Class:VII**

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**

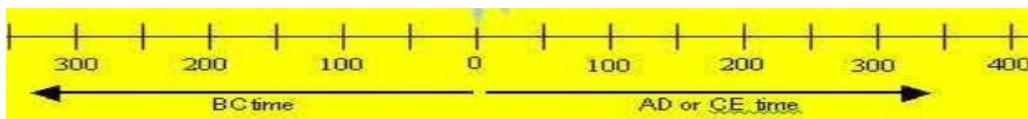
Design an English magazine of at least 10 pages. It should have the following aspects:

1. An attractive cover page.
2. A creative name to the magazine.
3. An article on 'Save Water'
4. A small story.
5. Jokes
6. Puzzles
7. Maze game
8. Riddles
9. Cross word puzzle
10. Advertisement

**Subject: Mathematics**

1. Can we relate mathematics and history?

O yes! Have you heard of A.D. and B.C.? If not open a dictionary and find out. A.D. and B.C. are related to integers. A.D. on a number line as given below represents positive numbers and B.C. relates to negative numbers.



A. Calendars have been made since the time of ancient Egyptians and Sumerians 6000 years ago. Different calendars may count their years from different dates and have different lengths months and years.

On our calendar, the B.C. dates are like negative integers, and the A.D dates are like positive integers. One less than -10 is -11. One year before 10 B.C. is 11 B.C.

On the basis of information provided, answer the following:

- a) What year is 100 years before 50 B.C?  
 b) Although you live in the “20 hundreds,” you live in the twenty first century. In which century was the 150?  
 c) The year 1 through the year 100 A.D. is counted as the first century. What was the first year of the twentieth century? What was the last year?
- B. The ancient Greeks dated their calendar from the beginning of the Olympics Games in 776 B.C. and the Roman counted their years from the traditional date of the founding of Rome in 753 B.C. Now, based upon the information provided, answer the given question:  
 a) According to the Greek’s calendar, in what year was Rome founded?
2. Do you know, how many years do the following animals live on an average? If not, solve the expressions given besides the animal to get the average life expectancy of the corresponding animal!

Animal	Expression	Life Expectancy (in years)
Goat, Chicken	$4\frac{12}{13} \times 1\frac{5}{8}$	
Mouse	$\frac{5}{9} \div \frac{1}{8} \times \frac{27}{40}$	
Domestic dog	$14\frac{2}{3} \div 1\frac{1}{6} + \frac{3}{7}$	
Giraffe, Pig	$\frac{1}{3} \left[ \frac{(6-3)}{4} \div \frac{1}{8} \times 5 \right]$	
Horse	$3\frac{5}{6} \div 1\frac{1}{9} \times 4\frac{2}{3} + 3\frac{9}{10}$	

3. As we know :

$$\text{Probability (Chance) of something happening} = \frac{\text{Number of successful outcomes}}{\text{Number of possible outcomes}}$$

a) Toss a coin 50 times. Tabulate the outcomes in the following table:

Outcome	Tally Mark	Number of each outcome
A head shows up		
A tail shows up		

What do you conclude?

b) Play this game with your friend or cousin. Take an ordinary die. If a number less than 3 is thrown, you get a point. If a number greater than 4 is thrown, your friend or cousin gets a point. If a 3 is thrown, neither gets a point. Play 5 games and for each game, throw the die 20 times. Record your points in a table as given:

Game	You	Your friend/ cousin	Winner
1			
2			
3			
4			
5			



- What is the chance of your winning the game?
  - What is the chance of your friend winning the game?
  - What is the chance of a 3 being thrown?
  - Is the game fair?
4. Record the data giving the minimum and maximum temperature of the cities, New Delhi, Mumbai, Chennai, Kolkata, Srinagar, Dehradun on a particular day in the given table.  
 (Hint: Watch weather news or use internet). Plot a double bar graph using the data and answer

the following questions:

- (A) Which city has the largest difference in the minimum and maximum temperature on the given date?
- (B) Which is the hottest city and which is the coldest city?
- (C) Name the city which has the least difference between its minimum and the maximum temperature.

City	Maximum Temperature	Minimum Temperature
New Delhi		
Mumbai		
Chennai		
Kolkata		
Srinagar		
Dehradun		

5. Scratch your brain:

- (A) The mean of three numbers a, b, c is 8 and the mean of five numbers a, b, c, d, e, is 15. Find the mean of d and e?
- (B) Find 'a' if the mean mark is 1.

Mark	0	1	2	3	4
Number of students	a	4	3	2	1

### Subject: Science

1. Make a cucumber sandwich OR sprout salad OR mango shake. Serve all at home and include the following :
  - (A) Steps followed for the preparation of the recipe. Paste pictures of the same.
  - (B) Type of nutrients involved. It could be carbohydrates, fats, proteins or vitamins.
  - (C) Name the digestive juices involved for digesting the above nutrients. Draw digestive system of humans.
2. Draw or paste pictures (any two) of sources of carbohydrates, fats, proteins or vitamins around you.
3. Discuss the importance of fresh water with your family members and friends. Suggest some ways to minimize wastage of water at home. Write ten of them.



### Subject: Social Science

#### History:

**Portfolio:** Collect pictures of Monuments in India and stick them in A 4 size sheets. Divide them into categories like (i) Temple Architecture (ii) Islamic Architecture and so on.

**Map Work:** On an outline Map of India (Physical), mark and colour the territories of Mughal Empire under Akbar.

#### Geography:

Read the daily weather reports published in your local newspaper for any one week and note down the following :

- (i) Maximum and minimum temperature
- (ii) Relative Humidity

- (iii) Rainfall
- (iv) Cloudiness

Prepare a weather report for the week and record your observations of the weather of that particular week.

**Civics / SPL:**

Draw the symbols of different national and regional political parties of India (in A 4 size paper) and keep it in your stick file.

**Sources: Research and study from Google & Wikipedia.**

**Subject: Hindi (II Language)**

रिश्तों की अहमियत – ज़िंदगी में रिश्तों की बहुत अहमियत होती है, रिश्तों के बिना ज़िंदगी अधूरी और नीरस हो जाती है, लेकिन आजकल के लोग खुद में इतने बिज़ी हो गए हैं कि किसी भी रिश्ते के लिए समय नहीं निकालते और नही उसे अहमियत देते हैं।

इसी बात को विषय बनाते हुए आप अपने किसी परिवार के सदस्य का इंटरव्यू लीजिए और जानिए कि हमारे जीवन में रिश्तों की क्या अहमियत है। लिए गए इंटरव्यू को संवाद के रूप में लिखिए। कम से कम 8-8 संवाद होने चाहिए।



**Subject: French (II Language)**

- Faites un dialogue dans lequel vous Invitez votre ami ou cousin chez vous à jouer. (80 mots)  
(Make a dialogue in which you invite your friend or cousin to play at your place.) (80 words)
- Décrire 5 jeux en français auxquels vous jouez pendant les vacances d'été. Écrivez 5 lignes pour chaque jeu.  
(Describe any 5 games in French which you play during the summer holidays. Write 5 lines for each game.)

**Subject: German (II Language)**

1. Sprecht mit Obsthändler / Gemüsehändler und schreibt Dialoge mit folgen diesen Punkte.

- Grüßen
- Die kosten von die verschiedenen Sachen
- Kosten
- Menge
- Saisonale Mittel während Sommer

Interact with a fruit / vegetable vendor and write dialogues based on the points underneath:

- Greetings
- The prices of various things available with him
- Quantity of items purchased
- Seasonal fruits / vegetables available during Summer

2. Schaut das Bild und schreib 80-100 Wörter mit Hilfe Vokabular( Freunde, Hund, Spaß, verloren, Vogel....)  
Look at the picture and write 100 words with help of the vocabulary ( Friends, Dog, fun, lost, birds....)

