

HOLIDAY HOMEWORK 2018-19
Class: IX

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 10th July 2018.
- 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

Watch either of the following movies along with your parents and write a movie review in about 250-300 words covering the following aspects: About the cast, the director, synopsis, your favourite character/incident and the theme of the movie.

The Pursuit of Happiness (2006)

OR

I am Sam (2001)

Subject: Mathematics

S.NO	Topic	Concept	NCERT Book
1	Number System	Rational Numbers	Example - 2 Ex. 1.1 Q: 2, 3
		Irrational Numbers	Example 3, 4 Ex. 1.2 Q 3
		Real Numbers and their decimal expansion and number line	Example 7, 8, 9, 11 Ex. 1.3 Q 3, 7, 8 Ex. 1.4 Q 1, 2
		Operations on Real Numbers	Example 18, 19, 20 Ex. 1.5 Q: 4, 5
		Laws of Exponents for Real Numbers	Example 21 Q: 2, 3
2	Polynomials	Polynomials in one variable and zeroes of a polynomial	Ex. 2.1 Q 5 Example 2, 4, 5 Ex. 2.2 Q 2, 4
		Remainder Theorem	Example 6, 7, 9 Q: 1, 2
		Factorization of Polynomial	Example 12, 13, 14, 15 Ex. 2.4 Q 1, 2, 4, 5
		Algebraic Identities	Example 17, 18, 20, 21, 22, 23, 24 Ex. 2.5 Q2, 4, 5, 6, 9, 11, 12, 13, 14

3	Coordinate Geometry	Cartesian System	Example 2
			Ex. 3.2 Q: 2
		Plotting a Point in the Plane	Example 3
			Ex. 3.3 Q 1, 2

Subject: Science

1. Learning is fun and what better ways to enjoy holidays along with some “do it yourself” activities.

You are required to look around your surroundings and perform the following activities:

- Make three different solutions of salt and water, rice and water, and sand and water respectively.
- Compare them on the basis of clarity, particle size and homogeneity.
- Filter the three solutions separately with the help of filter paper or muslin cloth, compare their filterability.

Present your work, in a tabular form supporting with relevant diagrams. Also, write complete account of the activity you performed.

2. Look around yourself and answer the following questions based on your understanding of matter.

- Why do the doctors advise to put strips of wet cloth on the forehead of a person having high fever?
- Why do we feel comfortable under a fan when we are perspiring?
- Why do solids have a regular geometrical shape?
- Why do we see water droplets on the outer surface of a glass containing ice cold water?
- An inflated balloon collapses when pricked. Name the property of gases exhibited by this.
- Which property of matter is helpful in the survival of aquatic plants and animals?
- Why does food cook faster in a pressure cooker?
- When 50g of sugar is dissolved in 100 ml of water, there is no increase in volume .What characteristic of matter is illustrated by this observation?
- Why do wet clothes dry quickly in the sun than in the shade?
- Why do we wear cotton clothes in summer?

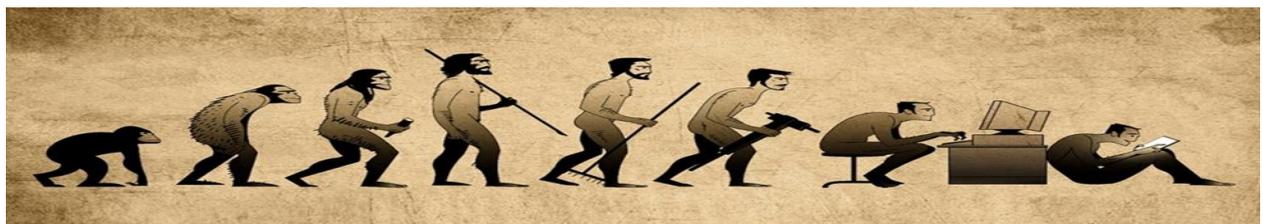
Subject: Social Science

Collect photographs/diagrams of typical rural houses and clothing styles of people. Examine whether they reflect any relationship with the climatic condition and relief of the area.

Note: You need to collect at least 5 photographs /diagrams and also need to describe them.

Subject: Hindi (II Language)

निम्नलिखित चित्र को ध्यान से देखिए तथा इसके बारे में अपने विचार 200 शब्दों में व्यक्त कीजिए चित्र का संदेश भी समझकर लिखिए I



Subject: French (II Language)

Ecrivez une recette de votre plat préféré que vous avez préparé et goûté pendant les vacances. (100 mots)

Write a recipe of your favourite dish that you have prepared and experienced during the vacation.(100 Words)

Subject: German (II Language)

Schreib ein Rezept von deinem lieblich Essen, dass du während die Ferien gekocht und erfahren habe. (100 Wörter)

Write a recipe of your favourite dish that you have prepared and experienced during the holiday. (100 words)