

**ST. MARK'S SR. SEC. PUBLIC SCHOOL, JANAKPURI**  
**HOLIDAY HOMEWORK (2019-2020)**  
**CLASS – X**

**ENGLISH**

- 1) Choose two words from each alphabet and state their origin, pronunciation, meaning, synonyms and antonym to make a mini thesaurus. Colour & illustrate it .
- 2) **Build up a story with a moral based on the given prompts :**
  - ❖ Ram ..... tuition centre ..... high fees.... pressure..... no time to relax..... he becomes a sandwich... result below expectation ..... finding solution.
  - ❖ Sanju sad ... no grand parents ..... lonely when parents are out .... goes to old age home as school project .... gets lots of love from them ..... feels bad at their plight ... wants to do something for them.
  - ❖ Pets.... joy..... love..... entertainment.....my ..... pet..... lost..... felt depressed and sad ..... lodged complaint.....kept searching ..... finally found.
- 3) Read the Autobiography of Nelson Mandela ' **Long walk to Freedom**' and write about any part which inspires you the most.

**Note :** All these should be in coloured A4 size sheets and put in a file.

English assignments have been uploaded on the school portal. All the assignments should be downloaded, solved and then put in a cobra file. It should be maintained properly whole year for assessment.

**MATHS**

1. **Prepare a Maths model on the following :**
  - a) Circles (Roll No. 1 to 20)
  - b) Trigonometry (Roll No. 21 to 40)
2. **Perform the following activities in Maths Lab Manual :**
  - a) To obtain the conditions of consistency of a system of linear equation in two variables by graphical method.
  - b) To verify graphically that  $x = 1$  and  $x = 3$  are the two zeroes of the quadratic equation  $x^2 - 4x + 3$
  - c) To verify the fundamental identity  $\sin^2\theta + \cos^2\theta = 1$
  - d) To verify Pythagoras theorem by the method of paper cutting and pasting.
  - e) To verify Basic proportionality theorem.
  - f) To verify that the given sequence is an arithmetic progression by the method of paper cutting and pasting.
  - g) To verify that the sum of first n natural number is  $\frac{n(n+1)}{2}$ .
  - h) To show that sum  $S_n$  of first n terms of an arithmetic progression with first term a and common difference d is given by  $S_n = \frac{n}{2}[2a + (n - 1)d]$ .

## **SCIENCE**

1. Attempt all the Assignments on A-4 sheets uploaded on the school portal. Submit them in the folder. Chapters included are :
  - a) Chemical Reactions, Equations
  - b) Acid, Bases and Salt
  - c) Life Processes
  - d) Electricity
2. Make science model using eco - friendly material or perform experiments on **any one** of the following topic :
  - a) Advancements in Medical Sciences
  - b) Alternative Sources of Energy
  - c) Artificial Intelligence
  - d) One Minute Activity based on Scientific PrincipleEvaluation will be done on the basis of Demonstration, Viva and Project file.
3. Prepare creative and artistic Mind Maps on A4 sheets for the following Science chapters & submit in folders :
  - a) Chemical Reactions and Equations
  - b) Acids, Bases and Salts
  - c) Life Processes
  - d) Electricity

## **SOCIAL SCIENCE**

### **Project : Consumer Awareness**

Prepare a project on “Consumer Awareness” and it should include the following heads :  
It should be handwritten and must be done in A4 size scrapbook.

### **Format of the Project**

1. Preface
2. Acknowledgement
3. Contents/ Index
4. Detailed Report of the topic
5. Glossary
6. Bibliography

### **Highlights of the Project :**

1. Who is a consumer?
2. Duties of consumer
3. How consumers are exploited ?
4. Factor causing exploitation of consumers
5. Consumer Movement :
  - a) Need of consumer movement
  - b) Consumer movement in India

6. Consumer Protection Act 1986
7. Consumer Rights :
  - a) Right to Information
  - b) Right to choose
  - c) Right to safety
  - d) Right to seek redressal
  - e) Right to Consumer Education
8. More to know : Trade Mark, ISI, Agmark/ Hallmark
9. Where should consumer go to get Justice?

हिंदी –

1. सूरदास के समान अष्टछाप के कवियों ने कृष्ण लीलाओं का वर्णन किया है। किन्हीं दो कवियों का संक्षिप्त परिचय एवं उनकी एक-एक रचना का चित्र सहित वर्णन कीजिए।
2. हिंदी साहित्य के क्षेत्र में अपना योगदान देने वाले किन्हीं पाँच लेखकों अथवा कवियों का जीवन परिचय तथा रचनाओं का चित्र सहित उल्लेख करते हुए, उन्हें दिए गए विभिन्न पुरस्कारों के बारे में लिखिए ।

नोट – सभी कार्य स्कैप फाईल में किया जाएगा।

*Happy  
Holidays*