



**St. Xavier's School, Mahwa**  
**Affiliated to CBSE, Delhi**  
**Affiliation No. 1731005**



**Summer Vacation Holidays Home Work 2022-23**

**Class IX**

**English**

1. Revise: Chapters -1 and 2 of Beehive and Moments and the poem-1
2. Read and write: chapters- 3 and 4, find out the difficult word meanings.
3. Project: The Chapter "The Fun they Had" presents different perspectives on school and education. Present your view in 4-5 pages, on how best can students be educated using both human teacher and mechanical teacher. (You may enhance your creativity by using pictures or quotations).

**Hindi**

1. (कृतिका भाग – एक) 'मेरे संग की औरतें' तथा (क्षितिज भाग – एक, गद्य) 'मेरे बचपन के दिन' पाठ का सारांश लिखिए।
2. 'मृदुला गर्ग', महादेवी वर्मा तथा रसखान आदि का जीवन-परिचय लिखिए।
3. (क्षितिज भाग – एक, पद्य) रसखान के 'सवैये' पदों भावार्थ सहित सवैये लिखिए।
4. इनसानी लालच और स्वार्थ ने प्रकृति का विनाश किया है। इस कथन के पक्ष तथा विपक्ष में अपने विचार प्रकट कीजिए।
5. अलंकार की परिभाषा लिखकर भेदों का विस्तार से वर्णन कीजिए।

यह परियोजना कार्य है दिए गए बिंदुओं पर अपनी योग्यता व सृजनात्मकता (creativity) के आधार पर शुद्ध व स्वच्छ प्रोजेक्ट फाइल तैयार कीजिए।

**Science**

**Chemistry & Biology**

1. Learn the names first 20 elements and their symbols. Eg. Hydrogen -H, Helium -He etc.
2. Write the following in your practical book.
  1. Preparation of:
    - a) a true solution of common salt. sugar and alum
    - b) a suspension of soil, chalk powder and fine sand in water
    - c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of
  3. transparency
    - filtration criterion
    - stability Unit-1: (Chapter -2)
  4. Write the following in Biology practical book.

Preparation of temporary mounts of (a) onion peel. (b) human cheek cells & to record observations and draw their labeled diagrams.. Unit-II:(Chapter-5)
  5. Read chapter 5 carefully and make short note on Cell and Organelles in your note book.
  6. Make a still model on any of the given following:

- a. Plant cell
- b. Animal cell
- c. Any organelle
- d. Water molecule

7. Make a project on communicable and non-communicable disease.
8. Living room experiment- count the electric appliances in your living room or any room you keep most of the electrical appliances and note down how many hours each one work. You note down for one month and bring the result .
9. Note down the temperature of each hour for 10 days (28<sup>th</sup> May to 6<sup>th</sup> June) and find out the day which has high temperature. Please see the temperatures of different districts in Rajasthan(at least 5 districts).

### **Physics**

10. Chapter 8 , read extra from any reference book , solve the numericals problem of NCERT and from any other source .
11. Read out the chapter 9 from NCERT and relate these laws of motion with your daily life experience

### **Social Science**

History Ch-1, 2 Learn Technical Terms and Important Dates. Geo.  
Civics and Eco- Ch. -1,2 Learn Technical Terms.( See PDF sent on class group)

### **Mathematics**

1. Explain Rational and Irrational numbers with examples.
2. Represent root 2, 3, 5 and root 9.3 on the number line.
3. Do examples – 6,7,8 and 9 ( page – 11 and 12 )
4. Do examples – 13,14 and 15 (page – 19 )
5. Do examples – 16 to 20 ( page – 22 and 23 )
6. Do exercise – 1.5 and 1.6
7. Do exercise – 2.1 and 2.2.

### **Computer**

1. Make project of Computer mother board on Thermocol sheet.
2. Write and learn 40 full forms related to computer.
3. Write and learn 30 shortcut keys of commands.
4. Learn Ch. 1 and Ch. 2.
5. Read Ch. 3