

# MODERN SCHOOL, VAISHALI

## SUMMER HOLIDAY HOMEWORK

From Principal's Desk

Dear Students and Parents,

*As we embark on the summer vacation, I want to remind you of the importance of continued learning and growth during this time away from school. To ensure that our students remain engaged and academically stimulated, we have assigned summer vacation homework for all classes. This homework is designed to reinforce concepts learned throughout the year and to prepare students for the upcoming academic term. I urge all students to approach their summer homework with diligence and responsibility. Completing these assignments will not only enhance your academic skills but also help you start the new school year on the right foot.*

*Parents, your support in encouraging your children to complete their summer homework is invaluable. By working together, we can ensure that our students continue to thrive academically.*

*Should you have any questions or concerns regarding the summer vacation homework, please do not hesitate to reach out to your child's teachers or the school administration.*

*Wishing everyone a productive and enjoyable summer break!*

### ENGLISH

1. Create a podcast/vlog/documentary/stand up comedy/a short commercial addressing any social issue.
2. Watch the assigned movie from the list given below:
  - A Beautiful Mind (2001)
  - The Blind Sight (2009)
  - The Social Network (2010)
  - The Life of Pi (2012)
  - The Story of Everything (2014)
  - A Plastic Ocean (2016)
3. Compile the following headings in a file:
  - Introduction
  - Plot construction
  - Characters
  - Objective/message
  - Critical appreciation/review
4. Design a poster on 'Diversity and Secularism' giving a message of peace and harmony.
5. Write a speech on 'Media - A Pillar of Democracy'

### ACCOUNTANCY

1. Do all exercise questions of chapter 1 revise accounting and its benefits.
2. Chapter 2 learn and write all basic terms of accounting.
3. Chapter 3 revise and write all assumptions and accounting principles.
4. Make a comprehensive project of a sole proprietorship firm ... including journal ledger trial balance and final account

### BUS. STUDIES

1. Revise and do case studies from chapter 1 business, trade and history. revise its features, types of risk, types of business activities.
2. Chapter 2 forms of business organisation... learn and write sole proprietorship, partnership, cooperative society, joint Hindu family business, their features and demerits ..
3. Chapter 3 forms of public sector enterprises difference among department under taking vs statutory corporation vs govt company



## **ECONOMICS**

- 1.Revise and learn the exercises of Micro-  
Chapter 1: Introduction and Statistics - Chapter 1: Introduction,  
Chapter 2- Meaning, Scope and Importance of Statistics,  
Chapter 3- Collection of Data,  
Chapter 4 - Organisation of Data,  
Chapter 5- Tabulation of Data



## **PHYSICS**

- (1).Do all the practical and activity and project file,
- (2).Do the numerical from ncert chapter 1,2,3,
- (3).Do all the activity related to you in your portfolio.
- (4) Write 50 formula with dimensions and units.



## **CHEMISTRY**

- 1.Revise chemical bonding and molecular structure , Periodic classification of elements and properties, Some basic concepts of chemistry make its mind map .
2. Make investigatory project on the topic given according to roll number:  
Roll no. 1-5(Study of acidity of fruits and vegetable juices).  
Roll no. 6-10Project on calculating PH balance and change.  
Roll no. 11-15 Study for method of purification of water.  
Roll no. 16-20Investigation of the foaming capacity of different washing soap and effect of addition of sodium carbonate.  
Roll no 21-25 Checking bacterial contamination in drinking water by testing sulphide ions.  
Roll No. 26 to 30 -Project on rusting of iron.  
Roll no.31-36 Study the acidity of different sample of tea leaves.



## **BIOLOGY**

- 1.REVISE CHAPTER UNIT -HUMAN PHYSIOLOGY,
2. MAKE working model on human physiology,
- 3.Do investigatory project as topic assigned,complete all the assigned practical work on practical file



## **HISTORY**

Students will make decorative slide display board on any one of the following topics.

- 1.Life and writing in Mesopotamia
- 2.Genghis Khan .... Army and Administration
- 3.Roman Empire 3rd century crisis
- 4.Feudalism in Europe
- 5.Paths to modernization:China and Japan



## **POLITICAL SCIENCE**

Project Work: 20 Marks

Class will be divided into six groups with four / five students in each group of 6 students.

TOPIC ALLOTTED

- Group I: Making of the Constitution.
- Group II: Elections in India.
- Group III: Working of the Indian Judiciary System.
- Group IV: Social Justice: Are ethics followed in Indian Politics
- Group V: Human Rights Act and its gratification in India.
- Group VI: Political impact on Indian Legislation.

### GENERAL GUIDELINES:

The total length of the project will be 20-25 pages.

Students have to be prepared to give a presentation of the project in the class.

The projects must be neat and well-presented and must be completely hand-written.



## PHYSICAL EDUCATION

"Practical I – Yoga.....Define any Yoga Asan with diagram  
Practical II – Basketball.....Explain basketball  
Practical III – Athletics  
Practical IV- Volley ball  
Practical V- Badminton"



## MATHS

- 1) Revise Chapters : Sets, Relation and Functions, Trigonometric Ratios, Complex Numbers.
- 2) Make mind maps of the chapters covered in the class.
- 3) Complete the Maths Lab Manual as instructed in class.
- 4) Make working model on the topics :
  - Roll no. 1 to 5 - Sets ;
  - Roll no. 6 to 10 - Relations and Functions;
  - Roll no. 11 to 15 - Trigonometric Ratios;
  - Roll no. 16 to 20 - Complex Numbers ;
  - Roll no. 21 to 25 - Linear Inequalities ;
  - Roll no. 26 to 30 - Permutations and Combinations ;
  - Roll no. 31 to 36 - Conic Sections



## INFORMATION PRACTICE

- 1) Make small project for data types used in python
- 2) Make a difference b/w input() function and int(input()) function
- 3) How to store data into computer memory using ASCII codes
- 4) Differentiate b/w python immediate mode and script mode with adv and disadv of both of them
- 5) What is meant by conditional clause in python and give an example of each of conditional clause types used in python
- 6) How python convert its code from Higher level to machine code by using Interpreter / Compiler or Assembler, Justify ur answer
- 7) How to swap to numbers in python, give different types of solution of this problem
- 8) Write python code to make a currency program in python
- 9) Differentiate between Interpreter / compiler or Assembler
- 10) Write different types of operators used in python , give examples of them.



## ENTREPRENEURSHIP

- 1."Prepare a project as per the guidance given in the class on the topic of market survey must attached questionnaires with the specified questions and their respective answer as you have conducted a survey accordingly
- 2.Must revise chapter done in the class for class test."



## PAINTING

2 coloured landscape and 1 lippan art (round shape)



## APPLIED MATHS

- 1) Revise chapters : Binary Numbers, Logarithms, Quantitative Aptitude, Mensuration and Sets and Relations.
- 2) Make mind maps of all the chapters covered in class.
- 3) Complete the project files as instructed in class.
- 4) Make working model on the topics :
  - Roll no. 1 to 5 - Logarithms ;
  - Roll no. 6 to 10 - 2 dimensional figures ;
  - Roll no 11 to 15 - Three dimensional figures ;
  - Roll no. 16 to 20 - Sets;
  - Roll no. 21 to 25 - Relations ;
  - Roll no. 26 to 30 - Taxation ;
  - Roll no. 31 to 33 - Probability

