



**GREENWAY MODERN SCHOOL**  
**SUMMER VACATION HOLIDAY HOMEWORK (2022-23)**  
**CLASS X**

*'Schools Out, Summers In,  
Let the fun and excitement begin.'*

A break from school is often filled with plans and activities, but it is important to keep our students learning over these weeks. Given below are some interesting activities & assignments for students to be done in summer break:

**ENGLISH**

Wishes are premonitions of abilities & only sincere wishes come true so let's initiate to make them happen.

**ACTIVITY 1: My Wish Box/ Jar**

- **Make a beautiful & attractive wish box or jar and put one wish along with a positive quote writing on a chit in the box/jar on every even day of the holidays.**

**ACTIVITY 2: Working/ Non- Working Models**

- **Roll no. 1 to 5: Moving Train (Topic- Figures of Speech) any 8 It should be a working model.**
- **Roll no. 6 to 10: Dart Game (Topic- Tenses)  
Dart board should depict the tense & arrows the verb.**
- **Roll no. 11 to 15: Masquerade Mask Making (Topic- Moods of Poetry)**

The mask should reflect any one mood of the poetry from the following- cheerful, humorous, romantic, mysterious, melancholy.

- **Roll no. 16 to 20: 3D Cubical (Topic- Syllables)**

(Each side of the cube should have two words expressing their syllables)

- **Roll no. 21 to 25: Spinning Wheel (Topic- Authors & their work)**

. You can take any 8 authors but not from your syllabus.

- **Roll no. 26 to 30: Spinning Wheel (Topic- Poets & their work)**

You can take any 8 poets but not from your syllabus.

- Roll no. 31 to 35: Tasty Reading Cake (Topic- Story Narration)
- Roll no. 36 to 40: My grammar Flip Book (Topic- Modals, Subject- verb Concord, Prepositions, Conjunctions, Determiners)
- Roll no. 41 to 45: Rolling Machine (Topic- Forms of Verb: Infinitive, Gerund, Indefinite, Past Participle) You can take any 10 verbs
- Roll no. 46 to 50: Jig Saw Puzzle (Topic- Idioms & Proverbs) Make it of A4 size.
- Roll no. 51 to 55: Moving Train (Topic- Figures of Speech) any 8

It should be a working model.

## HINDI

❖ कबीरदास के दोहों में धार्मिक आडम्बरों का विरोध मिलता है। इसका क्या कारण है? कबीर की समकालीन परिस्थितियों का परिचय देते हुए पाठ्येतर कोई दस कबीर के दोहे लिखिए जो आज भी प्रासंगिक हैं। उनसे मिलने वाली शिक्षा भी लिखिए। (चित्रों के सहित।)

❖ अपने घर अथवा पड़ोस के किसी वरिष्ठ व्यक्ति के समय की शिक्षा प्रणाली पर चर्चा करते हुए अपनी आधुनिक शिक्षा प्रणाली के साथ तुलना कीजिए। सारी बातचीत को रिकॉर्ड कीजिए। (5 से 10 मिनट की समय सीमा)

❖ शरीर के भिन्न-भिन्न अंगों पर आधारित कोई 25 मुहावरे अर्थ सहित कलात्मक प्रस्तुत कीजिए।

❖ कोई भी पाठ्येतर कहानी सुनाते अपनी वीडियो बनाइए। कहानी बिना पढ़े हाव- भाव के साथ सुनाए और विधालय की वर्दी को पहन कर इस गतिविधि को कीजिए

## MATHS

“TO KNOW MATHEMATICS FROM A DIFFERENT PERSPECTIVE”

**01. Make a detailed Project Report on the life history of Pythagoras and Sir Isaac Newton and their contributions in the field of Mathematics:**

- A. What did they do?
- B. Their life card.
- C. Art form included – Sketching : A few hand made sketches depicting Newton’s Awards and Accreditations, Landmark achievements of Pythagoras, etc.

The project should be made in a separate file and it should be creative and hand written.

**02. Prepare a detailed project on finding the probability of events through experiments.**

Do any five experiments. Present them in picture, sample space, events along with their types and mathematical analysis.

Do it in a separate file with special emphasis on creativity.

### 03. Verify the Basic Proportionality Theorem by using parallel lines board, triangle cutouts.

#### SCIENCE

“Imagination is more important than knowledge”

- ALBERT EINSTEIN

➤ As we sail through the life, advocating ups and downs in our life, search about the following topics and prepare an investigatory project on any one of the topics. Kindly note that this project is under internal assessment for Science for the year 2022-23.

1. Disposal of biomedical waste in hospitals of India, especially in Delhi, highlighting the use of different type of dustbins being used there (4 major types, their usage, structures, pictures) Also, state the solution how to dispose of this biomedical waste completely from our country. An image is provided to you as a hint:



(Image for reference)

2. Artificial organ used in humans (with respect to successful developed organs, first artificial organs, their costing, future of artificial organs, 3D printed organs examples of organs to be artificially replaced, pictures) Points to be kept in mind while making the investigatory project: ▪ Sheets to be used- A4 coloured/A4 coloured ruled/ A4 coloured designer ▪ Projects should be presented in an attractive manner with valid and authentic content and pictures. ▪ It should have a catchy title, index, content, pictures and bibliography.



(Image for reference)

- Complete the given assignments (6) in a separate notebook (small), no registers allowed.
- Complete the questions and answers from NCERT exemplar of all the chapters taught till date in the same copy mentioned above.
- Revise the syllabus for cycle test- 2.
- Practice all the diagrams for cycle test- 2

## **SOCIAL SCIENCE**

### **1. Project Work on any one of the following topics:**

Consumer Awareness

**OR**

Social Issues

**OR**

Sustainable Development

### **NOTE:**

- Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the Project Report.
  - The Project Report should be handwritten by the students themselves. Print outs will not be accepted. (8-10 Pages)
  - The Project prepared should be made from eco-friendly products without incurring too much expenditure.
  - The Project Work must include Cover Page, Certificate, Acknowledgement, Index, and Bibliography.
2. Complete the Assignments distributed in the class and paste them in the fair notebook.
  3. Revise the chapters completed in the class.

### **COMPUTER CODING:**

Write the Code for the following programs using script mode:

1. Write a program in Python to find and display the product, sum, difference, quotient of the division of 2 integer numbers X and Y, where  $X = 150$  and  $Y = 20$
2. Write a program in Python to calculate and display the average speed of a car for a distance of 200 km covered in 5 hrs.
3. Write a program in Python to calculate and display the area and perimeter of a circle of radius 40 cm. (Consider value of pi as 3.14)

### **ARTIFICIAL INTELLIGENCE:**

Create a project in PowerPoint of 10 maximum slides on the following topic in AI. Topic: Is AI (Artificial intelligence) a boon or a bane?

### **KINDLY NOTE:**

**LAST DATE TO SUBMIT HOLIDAY HOMEWORK OF ALL THE SUBJECTS IS**

**05 JULY 2022.**

**\*\*\*\*\* STAY SAFE, STAY HEALTHY AND ENJOY YOUR HOLIDAYS \*\*\*\*\***