



GREENWAY MODERN SCHOOL
HOLIDAY HOMEWORK (2022-23)
CLASS 9TH

'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

1. Design your own newspaper

➤ How to do – The newspaper should have five sections

a) Facts & Figures

* Word Meanings(any five)

* Interesting facts about English(any five)

* Figures of Speech with examples (any five)

b) Creative Corner

You can write your own poem/story(any one), focusing upon day-to-day activities/interactions in class, with teachers or peer group.

c) Quotes

Cut - outs of any five quotes in small pieces can be pasted in a creative way.

d) Entertainment

Sports

Movies

Events & happenings of the day

(one each)

e) **Games & Puzzles** – based on tenses, verbs, prepositions or conjunctions (any one), for e.g – Snakes & Ladder on prepositions.

➤ Where to do – A3 size sheets (5 pages)

2. Stick Puppet Making (Albert Einstein)

Make ample use of your creativity for a very good presentation of the lesson.

OR

3. Depict any one of the following poems from NCERT Book – Beehive in a creative manner as an artistic representation and present it in the class.

a) Rain on the Roof

b) The Lake Isle of Innisfree

c) A Legend of the Northland

➤ How to do – Use your imagination to convert the poem in an artistic representation i.e., collage making with pictures from magazine or newspapers to be presented in the class.

The presentation should be self – explanatory.

➤ Where to do – A3 size sheets

हिंदी

व्याकरण : हिंदी कार्य पुस्तिका में करवाये गए ,पर्यायवाची शब्द याद कीजिये ।

2. परियोजना कार्य 1 :-आगे बढ़ती भारतीय महिलाओं की पुस्तक पढ़कर उनसे संबंधित चित्रों का संग्रह कीजिए एवं संक्षिप्त जानकारी प्राप्त करके निम्नलिखित महिलाओं द्वारा बनाए गए कॄतिमानों का संक्षिप्त विवरण A4 साइज शीट पर लिखिए ।

क) बलजीत कौर

ख) आशा रानी

ग) अरुणिमा सिन्हा

3. परियोजना कार्य 2 :- जिस प्रकार महादेवी वर्मा जी ने गिल्लू के लिए डलिया बनाई थी , आप भी एक डलिया का निर्माण कीजिये । उस डलिया में जिस पालतू जीव को आप रखना चाहेंगे , उसकी आदतें तथा स्वभाव का वर्णन करते हुए उसे A4 साइज शीट में लिखिए तथा डलिया को कक्षा में प्रस्तुत कीजिये ।

MATHEMATICS

• Make a detailed project on *any one* of the topics given below :-

1. Pascal Triangle

It should cover the following points :

- Acknowledgement
- Content
- Construction
- Application
- Patterns to be observed
- Addition of rows
- Prime numbers in the triangle
- Fibonacci sequence in the triangle
- Hockey Stick Pattern
- Each row gives the digits of power of 11

2. Fibonacci Numbers

- Acknowledgement
- Content
- Definition
- History
- Fibonacci Primes
- Examples from nature (atleast 5 with pictures)
- Golden Ratio

Do the project in a separate file. The project should be creative and hand-written.

SOCIAL STUDIES

1. The Topic for the project is Disaster Management .

(Do any one of the following in scrapbook.)

- a. Earthquake
- b. Flood
- c. Drought

d. Landslide

e. Cyclone

- The project should be hand written. Print outs will not be accepted.

- List of contents with page number (approx...15 pages)

SCIENCE

1.Make a project. The Topic for the project is:"Efficacy of covid vaccination drive in India,

- The project should be hand written. Print outs will not be accepted.

2.Complete lab manuals of Ch (2, 5) discussed in class.

3.Make a report on "comparison between plant cell and animal cell".

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 $X = 100$ and $Y = 50$.

2. Write a program in Python to calculate and display the average speed of a car for a distance of 190 km covered in 2 hrs .

3. Write a program in Python to calculate and display the area and perimeter of a circle of radius 20 cm. (Consider value of pi as 3.14)

ARTIFICIAL INTELLIGENCE (ONLY FOR AI STUDENTS)

Create a project in PowerPoint of 10 maximum slides on the following topic in AI.

Topic:

AI (Artificial intelligence) and its applications in near future.

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