



## SUMMER HOLIDAY HOMEWORK

(2023-24)

CLASS VIII

### ENGLISH

1. Make a weekly timetable clearly defining the activities you would engage in each day from the time you wake up to the time you go to bed. Try to follow the timetable as far as possible during the vacations.
2. “The Three Questions” is a Parable Read some more parables and write the summaries of at least two of them in about 200 words each.
3. Read “A Robot in the House” and make a list of all the Verbs and Adjectives that are used in the story.



### LEARNING OUTCOMES

- Time management
- Enhancement of Grammar concepts, assimilation, cognizance and Writing Skills

### हिंदी –

- 1- अमृत संचय पुस्तक से जयशंकर प्रसाद की कहानियाँ ( छोटा जादूगर, तानसेन, ममता, गूदड़ साँई, जहाँनारा ) का पठन-पाठन कीजिए ।
- 2- हिंदी की पूरक पाठ्यपुस्तक- संक्षिप्त बुद्धचरित के प्रथम अध्याय का पाठ करके उस पर छह स्लाइड्स की कॉमिक स्ट्रिप तैयार करके उसका लिंक गूगल क्लासरूम पर अपलोड कीजिए ।
- 3- अप्रैल, मई की कार्यपत्रिका व्याकरण कॉपी में पूर्ण करें ।

## संस्कृत

1. विभिन्न खेलों से संबंधित दस नए शब्द लिखें व उनसे सम्बन्धित चित्र बनाएँ। उनमें से दो खेलों के प्रसिद्ध खिलाड़ियों के नाम लिखकर उनके बारे में संस्कृत में पाँच-पाँच वाक्य लिखें। ए-4 साइज पेज़ पर चित्रसहित आकर्षक पोस्टर बनाएँ।



**शिक्षण अधिगम** - अन्वेषण क्षमता, सतर्कता, खेल-प्रेम, सहयोग के द्वारा चरित्र निर्माण।

2. श्लोक-गायन गतिविधि हेतु परिश्रम, गीता, परोपकार, सत्संगति व मित्रता पर कुल 10 श्लोक अर्थ सहित उत्तर-पुस्तिका में लिखें व याद करें।

**शिक्षण अधिगम** - भाषा के प्रति प्रेम व आकर्षण, सृजनशीलता, अन्वेषण क्षमता।

3. अप्रैल/मई मास की कार्यपत्रिका हल करें तथा उत्तर-पुस्तिका में उत्तर लिखें।

4. प्रथम चक्रीय परीक्षा हेतु पठित पाठों का पुनराभ्यास करें।

**शिक्षण अधिगम** - परीक्षा व गतिविधि का अभ्यास।

## French

Décrivez quelques personnalités françaises et collez leur image dans votre cahier.

Describe any 5 famous French personalities in French language (around 30 words for each personality) and also paste their picture.



# AIOT PROJECT

**Subjects Integrated:** Science, Social Science, Mathematics, Information Technology, and Artificial Intelligence

**Theme:** Crop Production

**Topic:** Krishi Samagam (Integrated Agriculture)

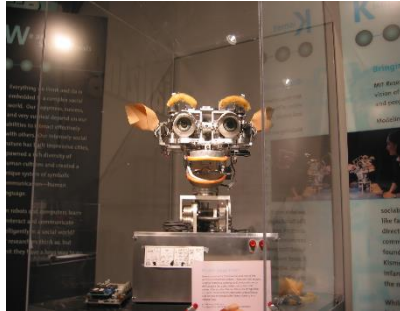
**Problem Statement:**

India, being the most populous country in the world need food for 1.4 billion people, but with a 17% decrease in land area under cultivation it became a big challenge to fulfill the need So, focusing on increasing food production with limited resources and leveraging new technology to equip farmers digitally is a challenge.

**Solution:**

**Science:**

Develop a PowerPoint presentation or create a model/gadget to showcase the testing of various factors and suggestions to farmers that can enhance crop production with limited resources. Also, propose methods to address the effect of following problems given below in your ppt., make a research page for each parameter mentioned below indicating the importance of testing these by the farmers and their importance. Also, mention traditional methods used for testing these things and suggest how we can change traditional to digital methods.

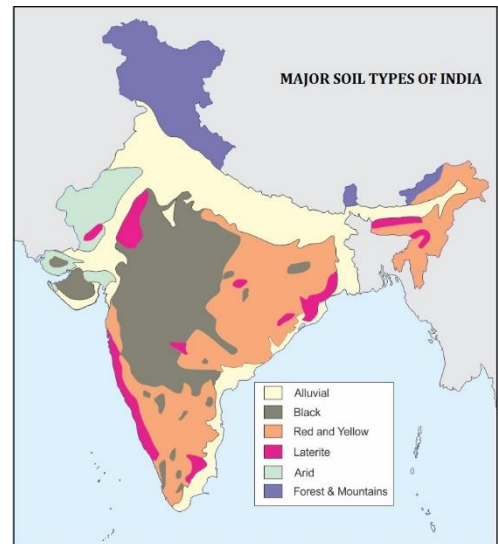


- a. Soil pH
- b. Soil moisture
- c. NPK level
- d. EC testing
- e. Different types of soil (crop-based)
- f. Water holding capacity of soil

**Social Science:**

Create maps illustrating:

- a. Types of crops grown in different regions of India
- b. Various soil types found in different regions
- c. Climatic conditions required for optimal crop growth



**AI Integration:** Utilize Teachable Machine to develop an AI model, application, or gadget that can identify different parameters for which farmers traditionally depend on laboratories or experts for testing.

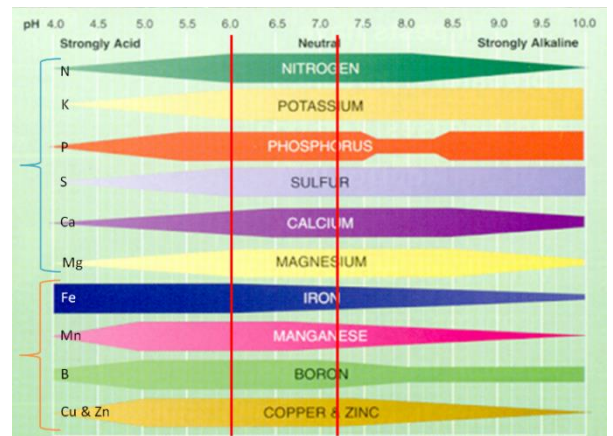


**Mathematics and Information Technology**

**Data Analysis:** Gather data pertaining to the following factors and perform data analysis using spreadsheet software MS Excel to present and interpret the data. The fields of the data table are given below.

- a. Soil pH
- b. Soil moisture
- c. NPK level
- d. EC testing
- e. Different types of soil (crop-based)
- f. Water holding capacity of soil

Create four types of graphs and charts like a line graph, bar chart, etc in MS.Excel. Take screenshots for the same and attach them in PPT along with data tables.



**Learning Outcomes:**

**Upon completion of this holiday homework, students will:**

Acquire skills in collecting, preparing, representing, and analyzing data.

Fostering and creating imaginative and creative mindset through the creation of a gaming environment that promotes learning.

Gain knowledge and hands-on experience in training and building an AI model using Teachable Machine. This AI model can aid individuals without a farming background in engaging in agriculture using machinery or App. Develop organizational skills and leadership qualities while collaborating on group projects.

Comprehend the significance of agriculture, crops, and natural resources for growing food, not wasting **valuable food**.

**Please Note: Weightage of Summer Holiday Home-Work is 20 marks.**

**Date of Submission:**

**English & French:** 5<sup>th</sup> July 2023

**Hindi and Sanskrit:** 6<sup>th</sup> July 2023

**AIOT Project:** 7<sup>th</sup> July 2023

