

SUMMER HOLIDAY HOMEWORK

CLASS VI

SESSION 2024-25

AIoT PROJECT

THEME : Components of Food



ENGLISH

1. Create a reel using Adobe Express on the topic 'Components of Food'. It must include all the necessary information about the nutrients required for the growth and the maintenance of our body.

Learning Outcome:

Students will gain a clear understanding of the different components of food, including carbohydrates, proteins, fats, vitamins, minerals, and water. Through visually engaging content created with Adobe Express, students can grasp complex concepts more effectively and retain the information better.

2. Practice papers for SAFAL exam [Structured Assessment for Analyzing Learning (SAFAL)] have been uploaded in the Google classroom. Complete the assignments in your English Grammar notebook.

HINDI

- ग्रीष्मावकाश के दौरान अपनी दादी या नानी से आज के समय व उनके समय के खान-पान में आए बदलाव के विषय में चर्चा कीजिए तथा उनकी कोई एक सिग्नेचर डिश (व्यक्तिगत रेसिपी) की चित्र सहित विधि व उसमें निहित पोषक तत्वों को एडोब एक्सप्रेस पर एक पेंफलेट के रूप में प्रस्तुत कर गूगल क्लासरूम में अपलोड करें एवं कक्षा में जमा करें ।
- प्रथम चक्रीय परीक्षा हेतु अब तक पढ़ाए गए सभी पाठों का पुनराभ्यास करें तथा अपनी अप्रैल व मई माह की कार्यपत्रिका का कार्य व्याकरण कॉपी में पूर्ण करें ।
- 'पिटारा' पुस्तक की दो से छः तक की कहानियों का वाचन कौशल परीक्षा हेतु पठन-पाठन कीजिए।



शिक्षण अधिगम -

- छात्र अपने बड़े - बुजुर्गों के साथ समय व्यतीत कर सकेंगे जिससे उनमें प्रेम, सम्मान व अपनेपन जैसे मानवीय गुणों का विकास होगा ।
- छात्र पौष्टिक भोजन के महत्त्व से परिचित हो सकेंगे ।
- एडोब एक्सप्रेस टूल को हिंदी भाषा के साथ समन्वित करके छात्रों में रोचक ढंग से भाषा लेखन क्षमता विकसित हो सकेगी ।

SANSKRIT

1. दैनिक प्रयोग में आने वाले किन्हीं 10 फलों/सब्जियों के नाम सचित्र संस्कृत व हिन्दी में लिखें व उनसे सम्बन्धित संस्कृत में 5 वाक्य लिखते हुए ADOBE EXPRESS) <https://www.adobe.com/in/> (पर एक आकर्षक पोस्टर का निर्माण करें ।



2. प्रथम चक्रीय परीक्षा हेतु पठित पाठों का पुनराभ्यास करें ।
3. रूप याद करें-
शब्दरूप- बालक, लता, फल
धातुरूप- गम्, भू, पा, दृश्, अस् (लट् लकार में)
4. संस्कृत में संख्यावाचकशब्द 1-10 तक ,1-4 तक तीनों लिंगों में) याद करें ।
5. पाठाधारित कार्यपत्रिका को उत्तरपुस्तिका में पूर्ण करें ।

अधिगम परिणाम -:

- वाक्य निर्माण प्रक्रिया का ज्ञान व शब्द भंडार में वृद्धि।
- संस्कृत लेखन कौशल का विकास।
- भाषा संबंधी व्याकरणिक व तकनीकी ज्ञान।
- चिंतन कौशल का विकास।

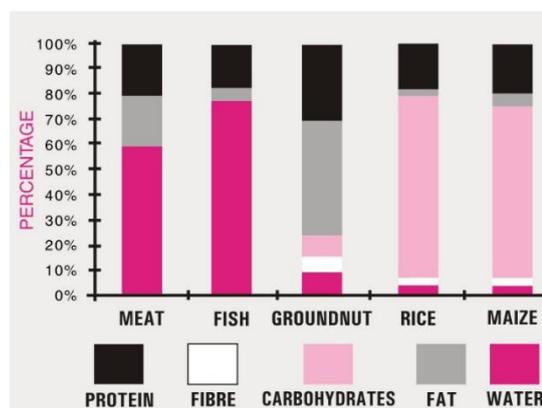
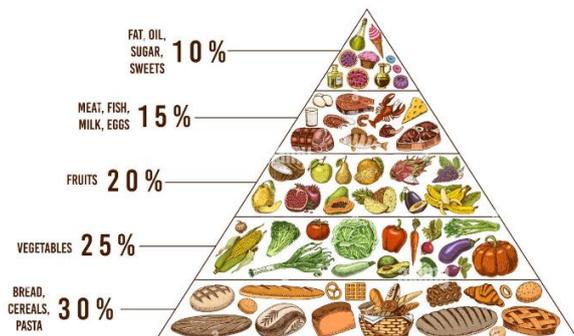
AIoT PROJECT

Subjects Integrated : Science, Social Science, Mathematics, IT and AI

- The project can help students to focus on creating an interactive experience that educates students about the nutritional value of different foods and the importance of a balanced diet.

MATHEMATICS

THE FOOD PYRAMID



1. Activity:

- i) Collect the data regarding
 - a) the components of food which includes Carbohydrates, Proteins, fats etc.
 - b) food essential to our body, its functions, its nutritive value, food sources and the calories required for different age group of people etc.
- ii) Represent the data by tabular method and by graphical method. (Digital graphs -Bar Graph, Pie Chart, Line graph etc.)
- iii) Each group can prepare 2-3 slides focusing on different aspects of this data, such as nutritional requirements, food sources, and the importance of balanced diets. They can use these graphical representations to visually illustrate their points.
- iv) Mode of submission – Activity is to be completed in groups. PPTs are to be uploaded in Google classroom in the folder created for Maths holiday home work.

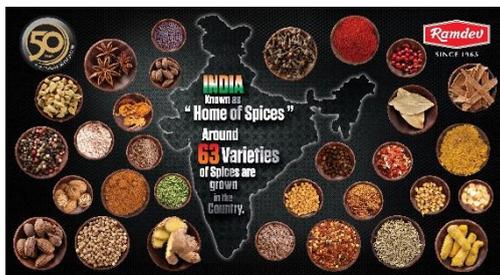
Learning objectives:

- Providing opportunities for independent research or exploration of mathematical concepts beyond the curriculum as per **NEP** guidelines.
 - students continue to engage with mathematics in meaningful ways outside of the classroom, fostering a deeper understanding and appreciation for the subject.
Utilizing graphing software or online tools for visualizing mathematical concepts.
2. Practice papers for **SAFAL** exam [Structured Assessment for Analyzing Learning (SAFAL), a competency-based diagnostic assessment as per the recommendation of the National Education Policy (NEP) initiated by CBSE] are uploaded in Google classroom. Solve Maths practice paper in A-4 size sheets.

SOCIAL SCIENCE

Learning Outcome:

1. Students will explore the historical origins and evolution of the components that make up our modern food and their cultural significance .
2. Students will also learn the civic responsibilities related to food components, including access to nutritious food, food policies, and community engagement in reducing food wastage.



Activity:

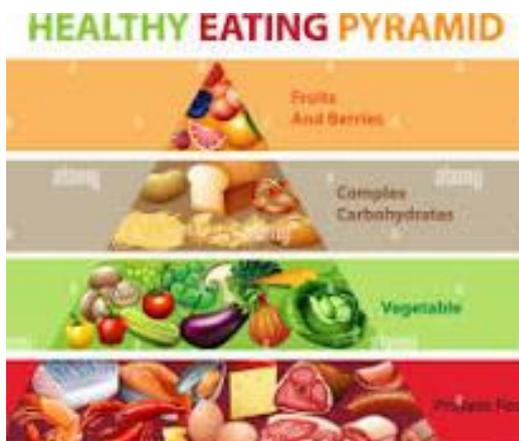
1. Ancient Food Sources: Explore the types of foods consumed by ancient civilizations such as grains, fruits, vegetables, and meats. Take any three types of foods and discuss how these foods were cultivated, harvested, and prepared also Paste the pictures. (Do the activity in your history notebook).

2. Food Waste: Prepare a videos using Adobe express addressing the issue of food waste and its environmental and social impacts. Discuss civic responsibilities in reducing food waste through sustainable practices.



SCIENCE

IS YOUR DIET BALANCED?



- Make a list of food items that you ate yesterday from morning to night.
- Divide each item into the food groups you have learnt about in the chapter—“Components of Food”
- See if you ate a balanced diet.
- If your diet is not balanced, decide in what way it should be modified so that it becomes balanced.
- Vitamins and minerals are important components of food. Represent in a Tabular form: the sources, importance and deficiency diseases caused by some important Minerals / Vitamins required by our body.
- Present your homework in the form of a power point presentation.

LEARNING OUTCOMES

- Students will be able to critically analyze their food habits and understand why it is important to eat a balanced diet.
- Understand the importance of proper nutrition and its role in fighting diseases.
- They will be able to relate their scientific knowledge with their daily habits and thus apply science for betterment of their lives.
- Their creative and presentation skills will be enhanced.

ARTIFICIAL INTELLEGEANCE

Develop an AI model using Teachable Machine (<https://teachablemachine.withgoogle.com/>) that can differentiate between different components of food :

Carbohydrates, Protein and Fats

- Create three classes like Proteins, Carbohydrates and Fats
- Train at least 20 examples for each class.
- You can take pictures from the internet or click pictures
- Record a short video of the project and take 4-5 screenshots.

LEARNING OUTCOME:

Students will be able to use AI tools efficiency and integrate it with different concepts of science

SCHEDULE FOR SUBMISSION OF HHW

S. No.	SUBJECT/S	DATE OF SUBMISSION
1.	Hindi & Sanskrit	8 th July, 2024
2.	English, Science & AI	9 th July, 2024
3.	Social Science & Maths	10 th July, 2024

Please note : The Holiday Homework will be considered for Project Based Assessment & carries a weightage of 10 marks in each subject.

ENJOY YOUR HOLIDAYS !!