



# SUMMER VACATION HOLIDAY HOME WORK

CLASS X SESSION 2024-25



(SCIENCE)

(Note:- Holiday Homework should be done in separate Notebook)

## Physics :

	TOPIC	ACTIVITY	SUMMARY
(A)	COMPONENT OF FOOD WE EAT IN MEGHALYA	Collect different types of food grains/food items according to their nutritional value (energy giving, protective, body building)	Students are able to know different types of food., needs of food
(B)	NUTRITION IN PLANTS FOUND IN ARUNACHAL PRADESH	Collect different types/ colour /shapes of leaves and perform iodine test. Test different kind of pigments present in leaves.	Students are able to know different types of leaves by their colour/shapes/pigments present. By performing iodine test ..the leaves other than green also perform photosynthesis.
(C)	VEGITATION FOUND IN MEGHALAYA	Collect information of different types of vegetation and farming pattern practice in meghalaya and prepare model	Students collect the information of vegetation found in meghalaya region and get knowledge about flora pattern, distribution and adaptation.
(D)	MINERALS FOUND IN ARUNACHAL PRADESH	Collect information of different types of metal and non-metals found in region of Arunachal Pradesh .there uses and utility	Student prepare ppt of different minerals sources found in Arunachal Pradesh. With the help of chart and models present the differences of availability in Uttar Pradesh.
(E)	ENERGY SOURCES AVAILABILITY IN MEGHALAYA	Students collect information of different types of energy sources , their production methods and utilizations.	Student prepare ppt of different energy sources utilized in meghalaya region, dependency over traditional methods



### **Chemistry:**

A - 1. Prepare a detailed report on Types of Chemical reactions (20 each),

2. Using a pH strip categories the naturally occurring substances as acids, bases & neutral compounds (water, coffee, onion peel, milk, mustard oil, lemon juice, carbonated drink etc)

OR

Prepare a detailed report on natural & man made acids.

B - Read chapters 1st & 2nd and prepare 20 Questions from each chapter of your own and answer those questions.

### **Biology:**

A - Make an investigatory project report on “Diabetes mellitus” emphasizing the following points

(i) Diabetes mellitus and its cause, (ii) Symptoms of the disorder, (iii) Precautionary measures, (iv) Treatment of the disorder, (v) A case study

Instructions: (i) Write the project report on A4 size plain paper in your own hand writing,

(ii) Paste concerned colourful pictures, cuttings from magazines and newspapers, data etc.,

(iii) The project

B - Read chapter Life. Processes and prepare 20 Questions from each Life process of your own and answer those questions.

## **(Informative Technology)**

Write the Practical work of Digital Documentation in practical file as per the given document in drive link.

<https://docs.google.com/document/d/1GPMm0vGoKEpXBCaRhQFa-R4D5XNvyGpqRGIGdQKVAXg/edit?usp=sharing>

## **(English)**

### **1. PORTFOLIO:**

PREPARE A PORTFOLIO WITH THE FOLLOWING –

( Prepare a file with A4 size sheets)

- Introduction
- My strengths
- I need to improve on...
- My achievements

### **2. Movie Review:**

a) Watch the movie “Inside Out”.or “A Beautiful Mind”

b) Write the synopsis of the movie.

c) Describe all the five emotions shown in the movie-joy, sadness, anger, disgust and fear.

- Name of the character (emotion)





- Role played by the character in the movie.

d) Which is your favorite character and why?

### 3. Poetic devices:-

- How to do:- Write any ten poetic devices with two examples each.
- Where to do :- English Notebook.
- Parameters:- Content, Accuracy.

### 4. Creation with Proverb :-

How to do :- Describe any one of the following proverb in your own words. You should also add pictures to make it creative.

- 'The pen is mightier than the sword.'
- No Pain No Gain.'
- 'All's well that ends well'.

Where to do:- English Notebook.

Parameters:- Creativity, relevance, presentation.

### 5. Art Integrated Project :-

A TRAVEL BROCHURE (To be Done on A4 Size sheets)

Do research on FAMOUS ARCHITECTURAL STRUCTURES (any 3 – 4 monasteries/temples ) of **Sikkim**.

Prepare a travel brochure describing them.

You can use the following guidelines to make your brochure informative and attractive (with pictures).

- 1) Name of the temple/monastery
- 2) Location
- 3) How to get there
- 4) Architectural details
- 5) Historical background
- 6) Best time to visit

(Hindi)

ग्रीष्मकालीन गृह कार्य

१) सभी बच्चे सधुक्कडी ,बज और अवधी भाषा के कुछ कवियों का सचित्र जीवन चरित्र वह उनकी उपलब्धियां और साहित्य

पर जानकारी एकत्रित करके एक पत्रिका रूप में उनका विवरण देंगे।

२) "अरुणाचल प्रदेश या मेघालय की भौगोलिक सांस्कृतिक तथा भारतीय जानकारी पर एक चलित प्रस्तुति तैयार करें।

३) अपनी सोसाइटी या गली मोहल्ले के किसी प्रतिष्ठित व्यक्ति से साक्षात्कार का एक सचित्र ब्यौरा तैयार करें या एक चलित प्रस्तुति बनाएं।





**(MATHEMATICS)**



**1.GEOMETRY IN ARCHITECTURE OF MEGHALAYA /ARUNACHAL PRADESH**



student will prepare a ppt of different types of houses, will discuss architecture, what geometrical shapes are used in building houses , taking sample of a house find the floor area(ROLL NO 1 TO 12)



**2.GEOMETRY IN HEADGEARS USED BY PEOPLE OF ARUNACHAL PRADESH OR MEGHALAYA**



students will prepare ppt in different head gears, material used ,geometry shapes of headgears ,they will prepare a collage of headgear prepared by students and also will b calculating area of sheet used in preparing headgear .(ROLL NO 13 TO 24)



**3.TEA COSTER**



Student will make six square and make the pattern used in clothes of people of Arunachal Pradesh and Meghalaya and find out area and perimeter. ( ROLL NO 25 TO 35)



**4.DO ASSIGNMENT OF CH 8 AND CH 6 IN ASSIGNMENT NOTE BOOK.**



**(SOCIAL SCIENCE)**



1.Make a project on Consumer Awareness Or Any Social Issue Or Sustainable development . The project should have an insight and pragmatic understanding of the Social Science . Various forms of art may be integrated to complete the project.



Note- The distribution of marks over different rubrics relating to the project work includes-



- a) Content accuracy, originality and collaborative skills.
- b) Competencies exhibited and presentation.



2. Choose any one state out of Arunachal Pradesh OR Meghalaya and prepare an art integrated project which includes the detailed pictorial representation of language, culture, Cuisine, art forms, topography etc of the state.



3. Prepare a map file containing the map work for the complete academic year.

