



Gen B C JOSHI APS PITHORAGARH

## Summer Holiday Homework

CLASS – VI

SUBJECT - SCIENCE

Dear Students!

It's time for summer vacation and we have designed some learning with fun, learning by doing and experiential learning activities for you.

**Activity 1.** Collect old and discarded objects and materials like glass , plastic, wool , cloth , wrappers etc. Use them and make any model related to Science with the help of these objects.

**Activity–2 : (Nutrients)**

To find out the nutrients present in different packed food (health drinks)

**Procedure:**

- i. Collect 5 packed items that are available in market.
- ii. Make a list of nutrients found in them.
- iii. Find out the amount of each of the nutrients present in them.
- iv. Note down your observations.
- v. From your observations, which food items are good or not good for your health.



**Activity- 3: (Healthy lifestyle)**



i. Discuss with your parents and grandparents, the way to lead a healthy life. Based on the discussion design a diet plan for the children of your age group with tips and suggestions to lead a healthy life.

ii. Work on your self-healing power and write various ways to boost your immune system.

iii. Fast food is not good for health. Compose a story (150-200 words with pictures and drawings) with this message where a girl or boy explains to her/his younger brother, the bad effects of eating fast food.

**Activity - 4. Help your mother in cooking and prepare your two favourite food items and write the recipe and mention their ingredients.**

**Activity-5. Solve both Set A and Set B of UT - I 2024-25.**

Muse Printables

Muse Printables





**GEN B C JOSHI ARMY PUBLIC SCHOOL**  
**SUMMER VACATION (2024-25)**  
**HOLIDAY HOMEWORK**  
**CLASS VII SUBJECT- Science**

**Dear Children,**

It's time for the summer vacation, and it is the time where we have fun with our family members. So we have designed some fun projects for your holidays that will help you learning with enjoyment along with your family.

**PROJECT: HEALTHY LIFESTYLE**

As we discussed the topic Nutrition in Animals in the class and we hope that you have realised how important it is for us to have balanced diet in order to keep our body working and healthy, based on the topic following activities are designed.

ACTIVITY 1: Discuss with your parents and grandparents, the way to lead a healthy life. Based on the discussion design a diet plan for the children of your age group with tips and suggestions to lead a healthy life.

ACTIVITY 2: Work on your self-healing power and write various ways to boost your immune system.

ACTIVITY 3: Fast food is not good for health. Compose a story (150-200 words with pictures and drawings) with this message wherein a girl or boy explains to her/his younger brother, the bad effects of eating fast food.

Q.Solve Set A and Set B of UT 1 exam.

Hope you enjoy doing these activities with your family.

Wishing you happy and safe holidays.

**GEN B C JOSHI ARMY PUBLIC SCHOOL**  
**SUMMER VACATION (2024-25)**  
**HOLIDAY HOMEWORK**  
**CLASS VIII SUBJECT-Science**

1. Prepare a working model on any of the below mentioned topics:
  - a. Science and Technology
  - b. Agriculture and Human Welfare.
2. Prepare a report to promote "Organic Farming" in order to spread awareness on Good Agricultural Practices.
3. Collect the samples of 2 rabi crops and 2 kharif crops. Write three points about them. Example-When are they sown, irrigation process, water required, harvest time etc.
4. Bring small piece of moulded bread. Write some physical properties of moulds like colour, smell, physical appearance etc.
5. Why the water of river Ganga does not get dirty?
6. Activity: Do a audit to a field and ask a farmer About crops, when they are sown, harvest And how do they take care of it.

**GEN B C JOSHI ARMY PUBLIC SCHOOL**  
**SUMMER VACATION (2024-25)**  
**HOLIDAY HOMEWORK**  
**CLASS IX SUB: SCIENCE**

1. To prepare a working or non working model from Science . You can choose any topic related to Science. Avoid the use of thermacol.
2. Make mind map of the following chapters:
  - a. Motion
  - b. Cell the fundamental unit of life
  - c. Matter in our surroundings.
3. Draw and label the following diagrams:

Plant Cell, animal cell, mitochondria, plastids, nucleus, cell division, prokaryotic cell.

Note: This homework is to be done in scrapbook or A4 sheet arranged in a folder file, so that your subject portfolio can be maintained.

**GEN BC JOSHI ARMY PUBLIC SCHOOL  
PITHORAGARH  
SUMMER HOLIDAY HOMEWORK  
CLASS-X SUB-SCIENCE**

- 1. Make a investigatory project on at least 10 packed eatables to check the presence of acid/base. Identify them and write their chemical name and formulas.**
- 2. Make a 3d model/chart from CH-LIFE PROCESSES.**
- 3. Learn names of elements, symbol and atomic numbers of elements till Zinc.**
- 4. Draw following diagrams:**
  - a. Human digestive system**
  - b. Human respiratory system**
  - c. Internal structure of leaf**
  - d. Digestion in amoeba**
- 5. What is reflection of light? Explain reflection of light with the help of an activity.**

**Note: This home work should be done in scrape book or in A4 sheets in folder files, so that portfolio of subject can be maintained.**

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**GEN B C JOSHI ARMY PUBLIC SCHOOL**  
**SUMMER VACATION (2024-25)**  
**HOLIDAY HOMEWORK**  
**CLASS XI**  
**SUBJECT- BIOLOGY**

**INVESTIGATORY PROJECT-**

1. Prepare an Herbarium and collect at least two members of each division of Kingdom plantae, Show their habitat , morphology and Life cycle.
2. Do all NCERT question- answers of Chapter 2 and 3 in in your notebook.

**CLASS XI**

**PHYSICS**

1. MAKE AN INVESTIGATORY PROJECT AND WORKING MODEL ON GIVEN TOPIC.
2. WRITE 20 QUESTIONS WITH ANSWERS BASED ON YOUR INVESTIGATORY PROJECT.

3. WRITE FIRST 3 EXPERIMENT IN YOUR PRACTICAL FILE

(EXP.1 – TO MEASURE THE DIAMETER OF A SMALL SPHERICAL /CYLINDRICAL BODY AND TO MEASURE ITS INTERNAL DIAMETER AND DEWPTH OF A GIVEN BEAKER USING VERNIER CALLIPER AND HENCVE FIND ITS VOLUME.

(EXPERIMENT 2 – TO MEASURE THE DIAMETER OF GIVEN WIRE AND THICKNESS OF A GIVEN SHEET BY USING SCREW GUAGE.

(EXP 3 - TO DETERMIONE THE VOLUME OF IRREGULAR LAMINA USING SCREW GUAGE)



**GEN B C JOSHI ARMY PUBLIC SCHOOL**  
**SUMMER VACATION (2024-25)**  
**HOLIDAY HOMEWORK**  
**CLASS XII**  
**PHYSICS**

- (i) Write the experiments in the experiment file as per the list provided.
- (ii) Write the activity in activity file as per the list provided.
- (iii) Make a project file on the allotted topic.

**CLASS XII**  
**SUBJECT- BIOLOGY**

**INVESTIGATORY PROJECT-**

1. To prepare an investigatory project on various types of STDs, measures adopted in India to prevent/ check them.
2. Find out various methods which may help an infertile couple to have child in India.