



## **SUMMER VACATION**

**2024-25**

### **WHAT IS A HOLIDAY WITHOUT HOMEWORK?**

**Summer is here and with it comes your amazing holidays! But what's a holiday without some homework .....**

**We hope you all have a rewarding summer and hopefully, you will quickly develop a daily mantra of, "What can I learn or discover today?"**

**Hence, here is the holiday assignment that is not just about writing but also about creating something unique and discovering yourself.....**

**Note: Last date of submission: 5<sup>th</sup>, September 2024.**

**INTERNATIONAL INDIAN SCHOOL AL MAJMAAH**  
**HOLIDAY ASSIGNMENT (SUMMER VACATION) – [2024-25]**

**CLASS – X**

<b>ENGLISH</b>	<p>1. What are the different types of Memory? Name atleast four and write a few lines about each one of them.</p> <p>2. Stick 4 pictures of your favourite personalities or role models and write a few lines about them.</p> <p>3. You are English grammar teacher of your class. Deliver a lecture to your students and prepare a video of that completely. The lecture must be very interactive and interesting sothat your students learn a lot from you. It must have a soft musical background, with proper intro and outro. The bumper of the video must include the name and logo of Indian International School. You must select the topic from the grammar course which you have completed till now. The selected topic will be forwarded to your grammar teacher for approval inorder to avoid duplication.</p> <p>a. Every student will cover one topic of ‘Direct and Indirect Speech’ e.g Present Simple Tense, Present Continuous Tense, Present Perfect Tense, Past Simple Tense with Present Simple Tense in Reported Speech etc.</p>
<b>ARABIC</b>	<p>.1-Write a paragraph about the family with photos.</p> <p>2-Write marfoaat with examples</p> <p>اكتب فقرة انشائية عن الاسرة مدعومة بالصور اكتب المرفوعات بالأمثلة</p>
<b>HINDI</b>	<p>भारत का मानचित्र लगा कर उसमें अंदमान-निकोबार द्वीप समूह की पहचान कीजिए तथा वहाँ की भौगोलिक स्थिति ,खान-पान , पारंपरिक पोशाक, भाषा ,संस्कृति के बारे में चित्र सहित लिखें</p>
<b>MATHS</b>	<p>1. Find the H.C.F. of 256 and 1052.</p> <p>2. For what value of k, -4 is the zeroes of the polynomial <math>x^2 - x - (2k + 2)</math>?</p> <p>3. Find the quadratic polynomial whose zeroes are 12 and -17</p>

respectively.

4. The difference of two natural numbers is 5 and the difference of their reciprocals is  $\frac{1}{10}$ . Find the numbers.

5. Find whether the following pair of linear equations is consistent or not:  $3x + y = 7$   $6x + 2y = 8$

6. Find the number of solutions of the following pair of linear equations:  $x + 2y - 8 = 0$   $2x + 4y = 16$

7. Prove that  $\sqrt{7}$  is irrational.

8. The 4th term of an AP is 11. The sum of the 5th and 7th terms of the AP is 34. Find the common difference.

## SCIENCE

### **Biology**

1. Read the newspaper and collect the pictures and information regarding recent developments in the field of biology. Make a portfolio for it. Paste concerned colorful pictures on A4 sheet.

2. Make a PowerPoint presentation on any one of the topics mentioned below.

a) Human excretory system.

b) Transportation in plants

c) Human circulatory system.

OR

Read chapter Life processes and prepare 20 questions from the chapter, (write your own questions and answers)

### **Chemistry**

1. A solution of potassium chloride when mixed with silver nitrate solution, an insoluble white substance is formed. Write the chemical reaction involved and also mention the type of the chemical reaction?

2. Write the chemical equation of the reaction in which the following changes have taken place with an example of each:

(i) Change in colour

(ii) Change in temperature

(iii) Formation of precipitate

3. A Student dropped few pieces of marble in dilute HCl contained in a test tube. The evolved gas was passed through lime water.

(i) What change would be observed in lime water?

(ii) Write balanced chemical equation for the above change.

4. A compound which is prepared from gypsum has the property

of hardening when mixed with proper quantity of water.  
 (i) Identify the compound.  
 (ii) Write the chemical equation for its preparation.  
 (iii) Mention one important use of this compound.  
 5. (a) Write the electron dot structures for potassium and chlorine.  
 (b) Show the formation of KCl by the transfer of electrons.  
 (c) Name the ions present in the compound, KCl.

**Project-1:**  
 You, being a Historian by researching the life of any two Mathematicians (at least one Indian mathematician) of the past , present their important contributions in addition to their life story through a Power Point Presentation/ make in hard copy is PPT is not possible.

**Investigatory Project-2:**  
 Make a PPT or video with your own voice-over explaining "light as energy resource". Maximum time limit is 5 min and minimum is 3 minutes. Light as energy source. What is the extent at which the world is using this energy source and to what extent it can be further trapped in different fields. Research may include the following points:  
 -Light as renewable source of energy  
 -Light for photosynthesis  
 -Light for marine and aquatic life  
 -During night for industries  
 -Chemical effects of light  
 -Physical effects of light.

3- Draw all the ray diagrams of Concave Mirror.

**Physics**

Geography- Locate and Label:-  
 1) Salal  
 2) Bhakra- Nangal  
 3) Tehri

**SOCIAL**

- 4) Rana- Pratap Sagar
- 5) Hirakund
- 6) Sardar Sarovar
- 7) Nagarjuna Sagar
- 8) Tungabhadra

History- Describe Gandhi contribution to the Indian Freedom Struggle.

Economics-

- 1) Write any five features of Organized and Unorganized Sector.
- 2) Give a brief idea about GDP.
- 3) All the three sectors of economy are interdependent. Explain