



**SKYLARK WORLD SCHOOL  
CLASS: IX  
HOLIDAY HOMEWORK  
SESSION:2025-26**

**Summer Holiday Homework – A Journey of Learning and Fun**

**Dear Students,**

**As the summer holidays approach, I know many of you are looking forward to a well-deserved break. Summer is a time for relaxation, exploration, and making memories with family and friends. It's also a great opportunity to keep your minds active and engaged in fun and meaningful ways.**

**\*Balance Work and Play \*Explore Your Interests\*: Connect with family and friends, \*Be Creative\*: Remember, the goal of summer homework is to keep you engaged and prepared for the upcoming school year. Have fun with it and enjoy your summer break. I look forward to hearing about your adventures and seeing the amazing work you create when we return to school.**

**Wishing you a fantastic summer vacation filled with joy, learning, and new experiences!**

**MONTH OF JUNE BROUGHT LONG,  
HOT DAYS AND NOW  
WE HAVE OUR SUMMER HOLIDAYS  
SCHOOL IS CLOSED AND  
NO SET RULES WAKING UP LATE AND GOING TO POOL.  
LITTLE HOMEWORK,  
EASY TO BE DONE  
PLAYING WITH FRIENDS AND LOTS OF FUN,  
BEAUTIFUL TIME COMES ONCE IN A YEAR,  
SUMMER HOLIDAYS ARE BEST DAYS EVER!!  
THIS SUMMER BREAK, TRY AND MAKE A DIFFERENCE:**

**GENERAL INSTRUCTIONS:**

**UNRAVEL THE ARTIST IN YOU-** Learn a new skill like playing an instrument, mastering a skill of art like painting, crafting, a piece of music or dance.

**GOOD MANNERS ARE THE KEY-** Respect your parents, grandparents and all elders. Use three magical words (Sorry, Please and Thank you) often. 'A little more courtesy goes a long way.'

Try to collect coins of appreciation from your elders for each value depicted in your daily behaviour.

**LEARN TO BECOME A LITERARY ARTIST**-To become an artist of literature, the concerned should go through the selected subject in such a depth, that he/she should live in the world of characters as well in the world of the creators' mind. Let us read any book of our interest (fiction/non-fiction) and submit the book review attached along with the holiday homework.

- Converse in English with your parents, siblings & friends as it will improve your proficiency.
- Take small responsibilities in house hold chores.
- Physical fitness is an important aspect of life. A healthy mind stays in a healthy body. Do yoga & exercise regularly.
- Plant a sapling, nurture it with love and watch it grow. Bring this to School after break.
- In take fresh fruits and water to keep yourself hydrated and energetic.

### **SPECIFIC INSTRUCTIONS :-**

- ❖ Holiday Homework must be done in a very neat and presentable manner.
- ❖ Homework will be assessed on the basis of neatness, handwriting, creativity, presentation and completion of all the questions & indexing of work.
- ❖ Avoid cutting and overwriting.
- ❖ Creativity and Originality of work will be appreciated. You can take the help of your elders, if required.
- ❖ Read the instructions carefully under each Subject and submit it accordingly.

### **SUBMISSION OF HOLIDAY HOMEWORK**

The last date of submission of the homework is **6th July, 2025** and do all the activities/Project work as directed.

### **ENGLISH**

- **Book Review and Reflection**
- **Task:** Read any one English novel (fiction or biography) and write a book review.
- **Include:**
- **Summary (150-200 words)**

Character analysis

Your opinion of the book

Lessons learned

- **New words with meanings (at least 10)**
- **Story Writing:-**

Imagine one summer evening, you magically meet your younger self-maybe from when you were 6 or 7 years old.

Your younger version asks you questions:

"Are you happy now?"

"Did we become what we dreamed of?"

"Why did we stop doing things we loved?"

- **Write a story Writing describing this encounter. Through the conversation, reflect on:**

How you've changed over the years.

What you've lost or gained-dreams, innocence, courage.

A deep realization or emotional truth that comes from this meeting.  
What you would say to your younger self-and what they might say back.

### HINDI

- **परियोजना कार्य :-**
- **महिला सशक्तिकरण:** समाज की शक्ति
- कोई पाँच महिलाओं के कार्यों, संघर्ष व उपलब्धियों का वर्णन कीजिए।

### MATHS

#### **CASE STUDY BASED QUESTION :-**

##### **CASE 1:-**

Christmas is celebrated on 25 December every year to remember the birth of Jesus Christ, who Christians believe is the son of God. Santa Claus, also known as the Father of Christmas, is a legendary character originating in western Christian culture and he brings gifts for everyone on Christmas. Let Santa Claus brings 3 chocolates for each child and 2 chocolates for each adult present at the Christmas party at Michael's home along with a Christmas cake. He distributes total 90 chocolates among all.

(a) How to represent the above situation in a linear equation in two variables by taking the number of children as  $x$  and the number of adults as  $y$ ? If the number of children is 10, then find the number of adults at the Christmas party.

(b) Find the value of  $k$ , if  $x = 5$ ,  $y = 1$  is a solution of the equation  $5x + 7y = k$ .

(c) Write the standard form of the linear equation  $y - x = 7$ .

##### **CASE 2:-**

On his birthday, Manoj planned that this time he celebrates his birthday in a small orphanage centre. He bought apples to give to children and adults working there. Manoj donated 2 apples to each children and 3 apples to each adult working there along with Birthday cake. He distributed 60 total apples

(a) Taking the number of children as ' $x$ ' and the number of adults as ' $y$ '. Represent the above situation in linear equation in two variables.

(b) If the number of children is 15, then find the number of adults.

(c) If the number of adults is 12, then find the number of children.

(d) If  $x = -5$  and  $y = 2$  is a solution of the equation  $3x + 5y = b$ , then find the value of ' $b$ '.

##### **CASE 3:-**

A school organised a mathematics exhibition in the school premises. Children of all classes made various models and games to depict the use of mathematics in daily life. To make the decoration more attractive, they made hangings related to mathematics one of the students made two hangings with polynomials written on them.  $P(y) = 9y^2 - 9y + 2$  and  $q(x) = x^3 - 64$ .

(a) Find the factors of polynomial  $q(x)$

(b) Find the factors of polynomial  $p(y)$

(c) Find the value of value of  $p(-2)$ .

(d) Find the zeroes of the polynomial  $x^2 - 81$ .

##### **CASE 4:-**

Maresh formed a square using four pieces of origami, as shown in the figure

Based on above information answer the following questions.

(i) (a) Write the trinomial which describes the area of the given square.

(b) If area of the square is given by the polynomial  $x^2 - 10x + 25$ ; then what will be the side of the square?

(ii) (a) If  $p(y) = y^2 - 2y + 1$ , then find the value of  $p(y) + p(-y)$ .

(b) What is the degree of the trinomial  $x^3 + 2x^2 + 3x + 4$ ?

**MAKE A PORFOLIO ( CHOOSE ANY TOPIC ) :-**

- POLYNOMIALS
- COORDINATE GEOMETRY
- LINES AND ANGLES
- TRIANGLES

## **SCIENCE**

### **PHYSICS**

- Worksheet of chapter motion and science exhibition projects will be given to the students.

### **CHEMISTRY**

- Observation of Change in States of Matter Objective: Show melting, freezing, condensation, and evaporation. **Materials:**  
Ice cubes, a glass, water, a spoon, and a heating source. Instructions: Observe how ice melts into water and how water evaporates. Record temperature changes and time.
- **2** Evaporation Rate Comparison Objective: Compare how fast water evaporates under different conditions. **Materials:**  
3 cups of water, fan, sunlight, room temperature.
- **Instructions:** Measure and compare the time taken for evaporation.  
**3** Effect of Surface Area on Evaporation Objective: Understand how surface area affects evaporation.  
**Materials:** Water, plate, a bowl, and a glass.
- **Instructions:** Pour equal amounts of water and observe evaporation speed.
- **Model Making:** States of Matter Make a 3D model showing solid, liquid, and gas particles using clay or thermocol balls.

### **BIOLOGY**

Instructions for writing investigatory report will be provided by the subject teacher.

Find out your topics in the excel document provided by class teacher

## **SOCIAL STUDIES**

- **Project 1:** “Know My India” Scrapbook
- Create a 3-page scrapbook or file folder project:
- India – Size and Location
- Draw the Indian map showing the Tropic of Cancer, Standard Meridian, neighboring countries, and states.
- Write 3–4 lines about India's size and its importance in Asia.
- Physical Features of India
- Make a physical map of India with labeled features: Himalayas, Northern Plains, Plateau, Desert, Coastal Plains, Islands.
- Mention one key feature and use of each.
- **Palampur Story**  
Write a short paragraph about the 4 types of production (land, labor, capital, entrepreneurship).
- Draw a simple sketch of a village showing farms, road, school, electricity poles, etc.

## **COMPUTER SCIENCE**

- **Prepare project 4, 5, 7 & 8** in a word files.

(For more details kindly visit page number 471 & 472 in the book)

### **ART AND CRAFT**

- Lippan Art