



# LITTLE FLOWER CHILDREN SCHOOL-BALLIA



Affiliated to CBSE New Delhi [10+2]



The time to cheer aloud,  
The time when you can play,  
On the beach with your loved ones,  
And do what your heart say,  
There is no one to see here,  
There is nothing as such to see,

Only the sunlight passing the home,  
And clear blue sky as can be,  
Summers are finally here,  
So have a good summer time,  
As it's the most amazing time  
Happy Summer Time.

## Session:2025-26

### Class: IX

Passport Size

Paste Photo

Students Name \_\_\_\_\_

Roll No: \_\_\_\_\_

Section: \_\_\_\_\_

## Holiday Homework

# **NOTICE**

Notice

NOTICE NO: LFCS/May/09/2025

Date: 18/05/2025

Dear Parents,

Summer vacation is a joyful and refreshing time for children. It provides them with an opportunity to relax, explore their interests, and learn beyond textbooks. It is also the perfect time to encourage creative thinking and skill development.

To make this vacation meaningful and engaging, we have prepared fun-filled and educational assignments. These have been designed to ensure that children enjoy themselves while learning. We encourage students to complete the tasks independently, with minimal assistance. Your cooperation will help us nurture responsible and curious learners. We would appreciate it if the children complete the assignments on their own. Help and guidance may be given wherever required. Let us work together towards the betterment of the students.

Exciting prizes will be awarded to the best five Holiday Assignments.  
Happy Holidays

## **Happy Holidays**

### **General Instructions to be followed:**

1. This is to notify that the school announces Summer Vacation 2025 from 20th May 2025 to 30th June 2025. Classes will resume on 1st July 2025 (Tuesday) as usual.
2. The Summer Vacation Home Assignment is available on our website: [www.lfcsballia.co.in](http://www.lfcsballia.co.in)
3. The school office will remain open from 8:00 am to 1:00 pm during the summer vacation.
4. The holiday homework is to be done neatly and in accordance with the questions asked. Submit it to the subject teacher on or before 5th July 2025. Late submissions will not be considered for prizes.
5. Mock Test Result Distribution will be held on 24th May 2025, from 9:00 am to 11:30 am.
6. Download the holiday homework pages and complete the tasks.
7. Handwriting should be neat and legible.
8. All holiday homework should be done in the designated holiday homework copy or on the given worksheets.
9. The holiday homework will be graded.
10. Work should be original and not copied from the internet.
11. Assignments should be submitted to the respective subject teachers. Surprise recapitulations will be conducted in July.
12. Encourage your ward to complete the holiday homework independently.

#### **Summer Tips to Follow:**

1. A healthy mind resides in a healthy body – go for walks, stay hydrated, eat healthy food, and avoid junk food.
2. Read newspapers, novels, blogs, and stories to build language and vocabulary skills.
3. Get involved in activities like cooking, singing, dancing, aerobics, cycling, trekking, swimming, art and craft, river rafting, and gardening. Share your experiences with friends and family.
4. Spend time with grandparents and parents. Talk to them and learn from their life experiences.

**Thanks & Regards**  
**LFCS BALLIA**



## EXPLORE NATURE

Let's explore nature by accompanying our grandparents/ parents to a morning/ evening walk and observe various animals, birds and plants.

- On the walk, collect dry leaves of varied shapes and be creative with them.
- Make a small nest with dry twigs, branches etc.
- Listen to the various sounds and chirping of birds and try to recognize them.



## FAMILY BONDING TIME

Spend quality time with your family and help them to:

- Lay the table.
- Assist in kitchen.
- Learn 2 new indoor games.
- Use 3 magical words - Thank You, Please, Sorry.



## VISIT TO A VILLAGE

Let's visit a village nearby and know about the roots of our countryside:

- Find out the crops that are grown.
- Sources of water used for cultivation.
- Make one related drawing on A4 sheet.





# activity TIME

- **MAGIC COASTER**

Let's make a coaster with hand printing and get it laminated (size: 4"x4")



- **BIRD FEEDER**

To inculcate the habit of helping the birds around us, let's make a bird feeder with a waste water bottle.



- **FINGER PUPPETS**

It's time to be creative, have fun and to tell a story with self designed finger puppets.

- **ROCK PAINTING**

Let's collect small pebbles/ stones and paint them to give a vibrant look.



- **ADOPT A PLANT**

As we are growing up, so it's time to take up a responsibility. Let's adopt and take care of a plant and take it's before and after picture.



- **MAKE BOOKMARKS**

Let's read atleast two story books and make two bookmarks for them.

## English

### Instructions: Use waste material to make models or charts

- 1). Prepare a Dictionary having minimum 10 words of each alphabet (new words) with meaning to enhance the vocabulary. Cover it with beautiful cover and put a book mark in it with a moral value written on bookmark.
- 2). Prepare a chart on tense with identification and definition and gave more than five example of each tense.
- 3.) Prepare a model on Save earth, Save life and Write about it.
- 4) Learn word meaning and question and answer from both books.

## Hindi

1. हीरा और मोती ने शोषण के खिलाफ आवाज उठायी लेकिन उसके लिए प्रताड़ना भी सही। हीरा मोती की इस प्रति क्रिया पर तर्क सहित अपने विचार प्रकट कीजिए—
  2. कल्पना के आधार पर बताइए कि लड़कियों की संख्या कम होने पर भारतीय समाज का रूप कैसा होगा।
  3. आप जहाँ रहते हैं उस इलाके के किसी मौसम विशेष के सौन्दर्य को कविता या गद्य में वर्णित कीजिए—
  4. मातृ दिवस के आयोजन से उजागर हुए सकारात्मक पहलू पर अपने विचार स्पष्ट कीजिए।
- नोट:- 1. उपयुक्त गृह कार्य फोल्डर में रखकर अध्यापक के पास जमा करें।  
2. सभी कार्य A4साइज पेज पर करें।

## MATHEMATICS (041)

### 1. ART INTEGRATED PROJECT –

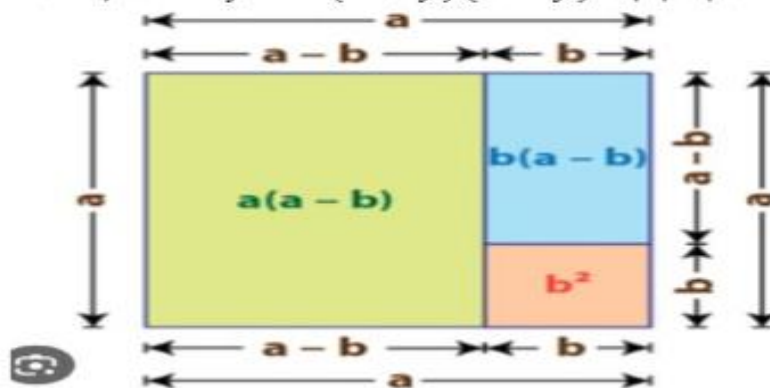
The Andaman and Nicobar Islands are home to about a dozen of endangered languages. The majority of the population speaks immigrant languages. Demonstrate different languages spoken in Andaman and Nicobar through a Pie Chart. The most common spoken language in Lakshadweep is Malayalam. Search for others language spoken here and exhibit it by a Pie chart.

### 2. FUN 'N' LEARN ACTIVITY

Our window to avoid climate catastrophe is closing rapidly. Write down the average temperature in Delhi for the month of June for past 5 years. Mention the reason behind this change of climate and also give some suggestions. How can you help to bring a little impact on this climate change? Make a bar graph

### Activity:-

1. Locate  $\sqrt{5}$  on the number line.
2. Verify  $x^2 - y^2 = (x + y)(x - y)$  by paper method



## ASSIGNMENT

1. If  $x + y = 12$  and  $xy = 32$ , Find the value of  $x^2 + y^2$ .
2. If  $3x + 2y = 12$  and  $xy = 6$ , find the value of  $9x^2 + 4y^2$ .
3. Write the following cubes in the expanded form:
  - (i)  $(3a + 4b)^3$
  - (ii)  $(5p - 3q)^3$
4. If  $x^2 + \frac{1}{x^2} = 27$ , find the values of each of the following:
  - (i)  $x + \frac{1}{x}$
  - (ii)  $x - \frac{1}{x}$
5. If  $x - \frac{1}{x} = 4$ , then evaluate  $x^2 + \frac{1}{x^2}$  and  $x^4 + \frac{1}{x^4}$ .
6. If  $a + b + c = 15$  and  $a^2 + b^2 + c^2 = 83$ , find the value of  $a^3 + b^3 + c^3 - 3abc$ .
7. Factorize:
  - (i)  $6ab - b^2 + 12ac - 2bc$
  - (ii)  $9(2a - b)^2 - 4(2a - b) - 13$
8. If  $x^3 + ax^2 - bx + 10$  is divisible by  $x^2 - 3x + 2$ , find the values of  $a$  and  $b$ .
9. Using factor theorem, factorize each of the following polynomials:
  - (i)  $x^3 - 6x^2 + 3x + 10$
  - (ii)  $2y^3 - 5y^2 - 19y + 42$
10. Find the value of  $k$ , if  $(x - 1)$  is a factor of  $4x^3 + 3x^2 - 4x + k$ .
11. If  $x = \frac{\sqrt{3} - \sqrt{2}}{\sqrt{3} + \sqrt{2}}$  and  $y = \frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}}$ , find the value of  $x^2 + y^2 + xy$ .
12. If  $x = \frac{2 - \sqrt{5}}{2 + \sqrt{5}}$  and  $y = \frac{2 + \sqrt{5}}{2 - \sqrt{5}}$ , find the value of  $x^2 - y^2$ .
13. Determine rational numbers  $p$  and  $q$  if  $\frac{7 + \sqrt{5}}{7 - \sqrt{5}} - \frac{7 - \sqrt{5}}{7 + \sqrt{5}} = p - 7\sqrt{5}q$ .
14. Simplify:  $\frac{6}{2\sqrt{3} - \sqrt{6}} + \frac{\sqrt{6}}{\sqrt{3} + \sqrt{2}} - \frac{4\sqrt{3}}{\sqrt{6} - \sqrt{2}}$ .
15. Simplify:  $\frac{3\sqrt{2}}{\sqrt{6} - \sqrt{3}} + \frac{2\sqrt{3}}{\sqrt{6} + 2} - \frac{4\sqrt{3}}{\sqrt{6} - \sqrt{2}}$ .
16. Show that:  $\frac{1}{3 - \sqrt{8}} - \frac{1}{\sqrt{8} - \sqrt{7}} + \frac{1}{\sqrt{7} - \sqrt{6}} - \frac{1}{\sqrt{6} - \sqrt{5}} + \frac{1}{\sqrt{5} - 2} = 5$ .
17. If:  $x = \frac{\sqrt{p+q} + \sqrt{p-q}}{\sqrt{p+q} - \sqrt{p-q}}$ , then find the value of  $qx^2 - 2px + q$ .
18. Show that:  $\frac{x^{-1} + y^{-1}}{x^{-1}} + \frac{x^{-1} - y^{-1}}{x^{-1}} = \frac{x^2 + y^2}{xy}$ .
19. If  $2^a = 3^b = 6^c$  then show that  $c = \frac{ab}{a+b}$ .
20. If  $x = 2 + 3\sqrt{2}$ , then find the value of  $\left(x + \frac{14}{x}\right)$ .



- ❖ Complete All three chapters from R.S. Agarwal in fair Note.
- ❖ Complete All three chapters from NCERT in fair Note.
- ❖ Make a formulae copy and write every formulae and definitions from book.
- ❖ Learn all formulae and definitions from NCERT and R.S. Agarwal.

## **Science (Physics)**

1. Define following and write down the related formula.
  - a) Distance   b) Displacement   c) Speed   d) Velocity   d) Acceleration
2. Differentiate between
  - a) Displacement and distance   b) Speed and velocity
3. Derive and learn all the three eqn of motion.
4. A bus starting from rest moves with a uniform acceleration of  $0.1\text{m/s}^2$  for 2 minutes. Find (i) the speed (ii) the distance.
5. A stone is thrown in a vertically upward direction with a velocity of  $5\text{m/s}$ . if the acceleration of the stone during its motion is  $10\text{m/s}^2$  in the downward direction, what will be the height attained by the stone and how much time will it take to reach there?
6. An athlete complete around of a circular track of diameter 200m in 40s. What will be the distance covered and the displacement at the end of 2 minutes and 20 seconds?
7. Abdul while driving to school computes the average speed for his trip to be 20 km/h. On his return trip along the same route, there is less traffic and the average speed is 40 km/h. What is the average speed for Abdul's trip?

## **Science (Chemistry)**

1. Prove that matter is made up smallest particle by the help activity.
2. Explain interconversion of three state of matter with the help of flow chart and Write the name process of each interconversion.
3. Write your Hypothesis on the following-
  - a) During rainy season, clothes take more time to dry up.
4. Write and learn, Name of element, atomic symbol atomic number and valency, from Atomic number 1 to 20 element.

## **Science (Biology)**

1. Draw a labeled diagram of plant or animal cell in 3D structure.
2. Why Virus show both character living and non-living . Write hypothesis.
3. Draw the neat and clean structure of chloroplast and explain its function.
4. Why Lysosome is called Suicide Bag.

## **Social Science**

### **History – The French Revolution**

- 1: Create a Timeline
- Prepare a timeline of key events from 1774 to 1799.  
Highlight events like the storming of the Bastille, Declaration of the Rights of Man, execution of Louis XVI, and the rise of Napoleon.

Question:

What were the main causes that led to the outbreak of the French Revolution?

2: Role Play

Assign roles: Louis XVI, Robespierre, Peasants, Nobles, etc.

Reenact a meeting of the Estates-General.

Question:

How did the inequality between the three estates contribute to the revolution?

## **Geography – India: Size and Location**

1: Map Marking

On a political map of India, mark the Tropic of Cancer, Standard Meridian, and neighboring countries.

Question:

Why is the Standard Meridian of India set at 82°30' E? What is its significance?

Question:

How does India's location help in establishing trade and cultural links with other countries?

## **Political Science :-**

What is Democracy? Why Democracy?

1: Case Study Analysis

Present short cases of different countries with different forms of government.

Question:

What are the differences between democratic and non-democratic governments?

2: Topic: "Democracy is the best form of government."

Question:

Give reasons why democracy is considered better than other forms of government.

## **Economics –**

The Story of Village Palampur

1: Village Model Creation

Create a 3D model or drawing of Palampur village showing land use, farming, transport, etc.

Question: How is land distributed among farmers in Palampur? What are the consequences?

## **Computer**

1. Draw a Labeled diagram of communication cycle. Also describe its component.

2. Create presentation on factors that create barrier in the effective communication, also state the ways to overcome with it.

3. Write the ways of creating effective paragraph.

4. Filter out 50 MCQ questions related to communication skill and prepare them well.



# My Daily Routine

Name: \_\_\_\_\_|Class: \_\_\_\_\_|Date: \_\_\_\_\_

Activity	Time Spent / Time of Day	Remarks (if any)
Wake-up Time		
Morning Routine		
Exercise / Yoga		
Breakfast		
Study Time - 1		
Short Break		
Study Time - 2		
Screen Time (TV/Mobile)		
Lunch		
Rest / Nap		
Reading / Hobby Time		
Evening Exercise / Play		
Dinner		
Family Time		
Bed Time		

One thing I enjoyed today: \_\_\_\_\_

One good habit I followed today: \_\_\_\_