



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:2024-25

Class: 9th

Passport Size
Paste Photo

Students Name _____

Roll No: _____

Section: _____

Holiday Homework

NOTICE

Dear Parents,

Vacation is an excellent time to learn new skills. It is a welcome break for the children to enjoy and explore things in their own way. Just the right time to let the children do some creative work.

Here are some interesting and fun-filled assignments for the children to learn and keep them occupied during the holidays. These assignments have been designed to ensure that the children enjoy and learn at the same time, we would appreciate if the children do the assignments on their own. Help and guidance may be given wherever required. Let's work together towards the betterment of the students.

Exciting Prizes will be provided to the best five Holiday Assignments.

Happy Holidays

General Instructions that are to be followed:

1. This is to notify that the school announces Summer Vacation 2024 from 20th May 2024 to 30 June 2024. The classes will resume on 1 July 2024, Monday, as usual.
2. Summer Vacation Home Assignment is available at our website [Website: www.lfcsballia.co.in](http://www.lfcsballia.co.in)
3. Office will remain open from 8:00 am to 1:00 pm during summer vacation.
4. The Holiday Home work is to be done neatly with relevance to the question asked and to be submitted to the subject teacher at the time of reopening of the school i.e. 1 July 2024.
5. Mock test Result Distribution will be held on 24-05-2024, timing 9 am to 12 noon. Scholarship will be awarded to the Toppers of AISSE exam 2024 on 24th May 2024, Friday at 11 pm.
6. Download the holiday homework pages and complete the task.
7. Handwriting should be neat and legible.
8. All the subject holiday homework should be done in Holiday home work copy / given worksheet.
9. The holiday homework would be graded.
10. The work should be original and not copied from internet.
11. The assignments should be submitted to the respective subject teachers. Surprise recapitulation will be done by the teachers in the month of July.
12. Encourage your ward to do the assigned holiday homework independently.

Summer Tips to be followed:

1. A healthy mind resides in a healthy body"- Pay attention to your health, go for morning and evening walks, drink lots of water, avoid the consumption of junk food, eat healthy and stay healthy.
2. Open your mind for reading newspapers, novels, blogs and stories that will help you in increasing your vocabulary.
3. Indulge yourself into activities like cooking, singing, dancing, aerobics, cycling, trekking, swimming, art and craft, river rafting and gardening. And share your experience with your family and friends.
4. Spend quality time with your grandparents and parents, talk to them regarding their experience of school.

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. पढ़ाये गये पाठ्य क्रम को पढ़कर अभ्यास करें।
- नोट:- 1. उपयुक्त गृह कार्य फोल्डर में रखकर अध्यापक के पास जमा करें।
2. सभी कर्ष्य A4साइज पेज पर करें।

MATHEMATICS (041)

1. ART INTEGRATED PROJECT –

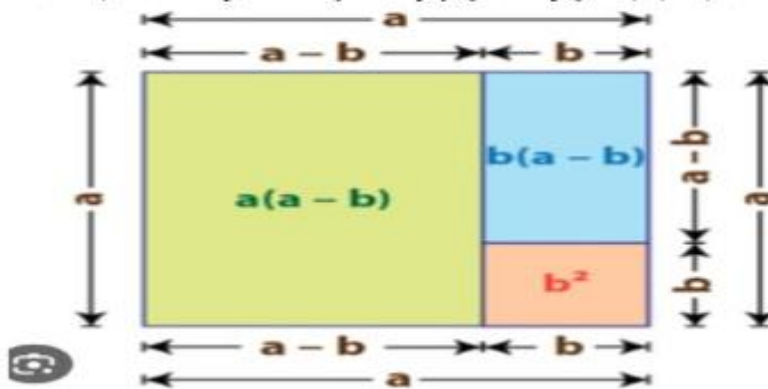
The Andaman and Nicobar Islands are home to about a dozen of endangered languages. The majority of the population speaks immigrant languages. Demonstrate different languages spoken in Andaman and Nicobar through a Pie Chart. The most common spoken language in Lakshadweep is Malayalam. Search for others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



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 0.1m/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 5m/s . if the acceleration of the stone during its motion is 10m/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 onterconversion.
3. Write your Hypothesis on the following-
 - a)| During rainy season, clothes take more time to dry up.
4. Write and learn, Nmae of element, atomic symbol atomic number and valency, from Atomic number 1 to 20 element.

Science (Biology)

1. Draw a labeled diagram of palnt or animal cell in 3D structure.
2. Why Virus show both charater 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

1. Describe the significance of the Indian Constitution and its key features.
2. Compare the parliamentary and presidential forms of government.
3. Evaluate the role of the United Nations in promoting world peace and cooperation.

4. Compare and contrast the features of rural and urban livelihoods in India.

Project:

5. Disaster Preparedness Plan: Create a comprehensive disaster preparedness plan for your school or local community. Include evacuation routes, emergency contact information, and procedures for different types of disasters.

6. Emergency Kit Demonstration: Assemble and demonstrate emergency kits for different types of disasters (e.g., first aid kit, emergency food and water supplies, flashlights, etc.) and explain their importance.

7. Awareness Campaign: Design posters, flyers, or presentations to raise awareness about specific types of disasters and how to prepare for them. You could focus on earthquakes, floods, wildfires, etc.

Computer

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

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

3. Write the ways of creating effective paragraph.

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

******* BEST OF LUCK*******