



Spring Dale Public School

Sherpur Road, Ludhiana

Holiday Home Assignment



"The road to success is not easy to navigate, but with hard work, drive and passion, it is possible to achieve your dreams."

Dear Parents
Greetings!

Summer vacation is a much awaited time for students as it brings a break from the routine school days and a chance to enjoy some leisure time, it reduces stress and enhances stamina. It offers an opportunity for recreation and refreshment that plays a vital role in students' overall development.

Guidelines for the parents:

1. Encourage your ward to read good books and enrich his/her reading skills effectively.
2. Minimise the use of mobile phone & screen time.
3. Please ensure to provide positive environment to reinforce his/her strengths productively.
4. Have a healthy discussion with your ward(s) and spend quality time with him/her.
5. Motivate your child to be regular and punctual at every step of life. It will definitely reward him/her with success.

Instructions for the students:

- Do complete your assignments in your own handwriting.
- Project files must be well maintained as they will be assessed and evaluated for the Final Assessment.
- Revise & practise all the topics already covered in the class.
- Focus on self-study and utilise this time period optimally.
- Students must use *internet* under the guidance of their parents.



Have a rejuvenating Summer Break!



ENGLISH

1. Environment, Language, Culture and Diversity of Odisha

Do research on environment, language, culture and bio diversity of Odisha. Make a brochure on flora and fauna of Odisha. Write a short paragraph on language and culture of Odisha. Paste some pictures related to it.

2. Write about the following characters in 100-120 words. (Any 5)

- Margie
- Ron Forbes
- Kezia
- The Child (The Lost Child)
- Tommy
- Ustad Bismillah Khan
- Evelyn Glennie
- Toto

3. Portfolio– Prepare a portfolio with the following

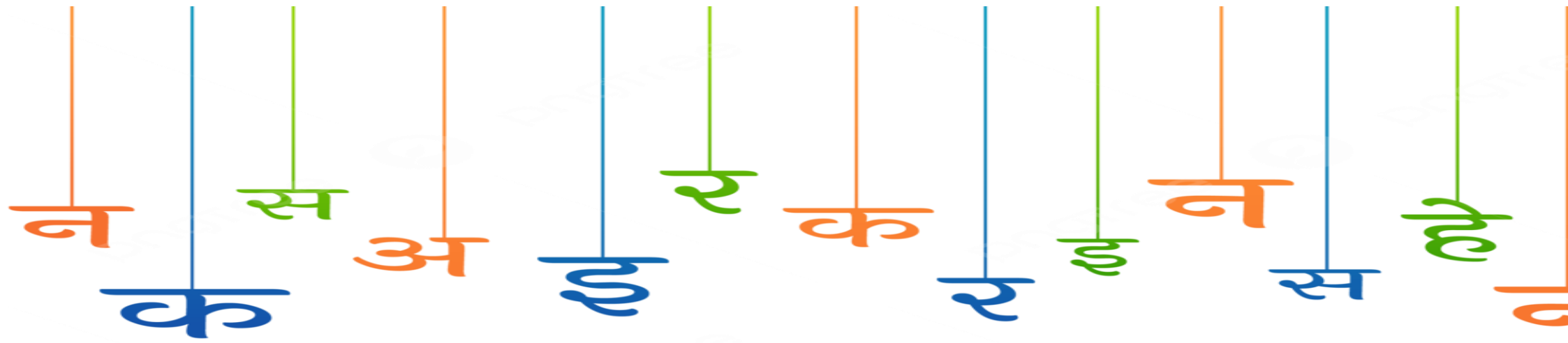
- Introduction
- My Strengths
- I need to improve on _____
- My achievements
- I have participated in _____
- The books I have read
- The book I wish to read

4. Complete the following worksheets in Bravia.

Worksheet 1,2,16,17,20 (Reading Comprehension)

Worksheet 34,36,37,48 (Grammar)





हिंदी

1. मान लीजिए आप अपने मित्र के पास विदेश जा रहे हैं/ रही हैं आप सौगात के तौर पर भारत की कौन सी चीज ले जाना पसंद करेंगे/ करेंगी और क्यों?
 2. उड़ीसा के पहनावे का सचित्र वर्णन कीजिए।
 3. पत्र: अपने मित्र या सहेली को किसी आंखों देखे मेले का वर्णन करते हुए पत्र लिखो ।
- नोट -गृह कार्य A4 साइज शीट में लिखकर एक फाइल तैयार कीजिए और उसके प्रथम पृष्ठ पर अपना नाम, विषय, कक्षा, शिक्षिका का नाम आदि जानकारी अवश्य लिखिए।

ਪੰਜਾਬੀ

- 1) ਪੰਜਾਬ ਅਤੇ ਉੜੀਸਾ ਪ੍ਰਾਂਤਾਂ ਦੇ ਸੱਭਿਆਚਾਰ ਨੂੰ ਦਰਸਾਉਂਦੇ ਹੋਏ ਉਥੋਂ ਦੇ ਲੋਕ -ਨਾਚਾਂ ਅਤੇ ਪਹਿਰਾਵੇ ਦਾ ਵਰਨਣ ਤਸਵੀਰਾਂ ਸਹਿਤ ਕਰਦੇ ਹੋਏ ਇੱਕ ਪ੍ਰੋਜੈਕਟ ਫ਼ਾਇਲ ਤਿਆਰ ਕਰੋ।
- 2) ਸਾਨੂੰ ਜੰਗ ਨਹੀਂ,ਅਮਨ ਚਾਹੀਦਾ ਹੈ। ਯੁੱਧ ਦੇ ਲਾਭ ਜਾਂ ਹਾਨੀਆਂ ਵਿਸ਼ੇ 'ਤੇ ਤਸਵੀਰਾਂ ਸਹਿਤ ਇੱਕ ਸੁੰਦਰ ਲੇਖ ਲਿਖੋ।
- 3) ਵਿਸਮਿਕ ਜਾਂ ਕਿਰਿਆ ਵਿਸ਼ੇ 'ਤੇ ਇੱਕ ਸੰਦਰਜਨ ਬਣਾਓ।

MATHEMATICS

Maths Lab Manual Activities

Complete the following lab manual activities

1. To construct a square root spiral by paper folding and geometrical constructions.
2. To verify the following algebraic identity using paper cutting and pasting:
$$(a + b + c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$$
3. To obtain the mirror image of a geometrical figure with respect to x -axis or y -axis.
4. To divide a given strip of paper into a specified number of equal parts using a ruled sheet.
5. To verify the following criteria for the congruence of triangles:
 - SSS
 - SAS
 - ASA
 - RHS
6. To verify the Midpoint Theorem for a triangle using paper cutting and pasting method.
7. To discover the properties of the diagonals of different quadrilaterals.
8. To verify that if the angles subtended by two chords at the centre of a circle are equal, then the chords are equal.
9. To verify the following using the paper cutting and pasting method:
 - a) Angle in a semicircle is a right angle.
 - b) Angle in a major segment is an acute angle.
 - c) Angle in a minor segment is an obtuse angle.
10. To draw histograms for classes of equal widths and unequal widths by using the given data.
 - ❖ Prepare an Art integrated project, on Punjab & Odisha according to the data shared in the class groups.
 - ❖ Solve the Periodic Test question paper on A4 assignment sheets to attach with portfolio.
 - ❖ Revise the syllabus done in the class.

PROJECT WORK

A. Disaster Management (Natural and Manmade Disasters)

Features

1. This project is compulsory for all the students .
 2. The projects and models prepared should be made from eco-friendly products without incurring too much expenditure.
 3. The Project Report should be handwritten by the students themselves.
 4. Students can use A4 size sheets.
 5. Project must be between 15-20 pages.
- B. Do a survey on the Area of different states, status of health and education facilities, climate and Vegetation of Punjab and Odisha and Prepare a report to compare them.
- C. Write a brief history of Jagannath Temple highlighting mythological origins and architectural process, height, no. of steps etc and compare it to the Golden Temple highlighting foundation and Early Construction with role of Guru Ram Das and Guru Arjan Dev (in about 250 words).

PHYSICS

1. Find the magnitude of distance between your home and your school. Measure the time taken by you to go from home to school. And hence Find out average speed.
2. Prepare a scrapbook on various types of graphs (velocity – time, distance – time) taking 8 different instances from daily life.
3. Complete the following practicals in your practical file
 - a) To find the density of solid
 - b) To study the relation between loss in weight of solid with weight of water displaced.
 - c) Study the law of reflection of sound.
 - d) To find the speed of pulse in a stretched slinky.



CHEMISTRY

Q.1 Prepare a portfolio of chemistry for the following subtopics:

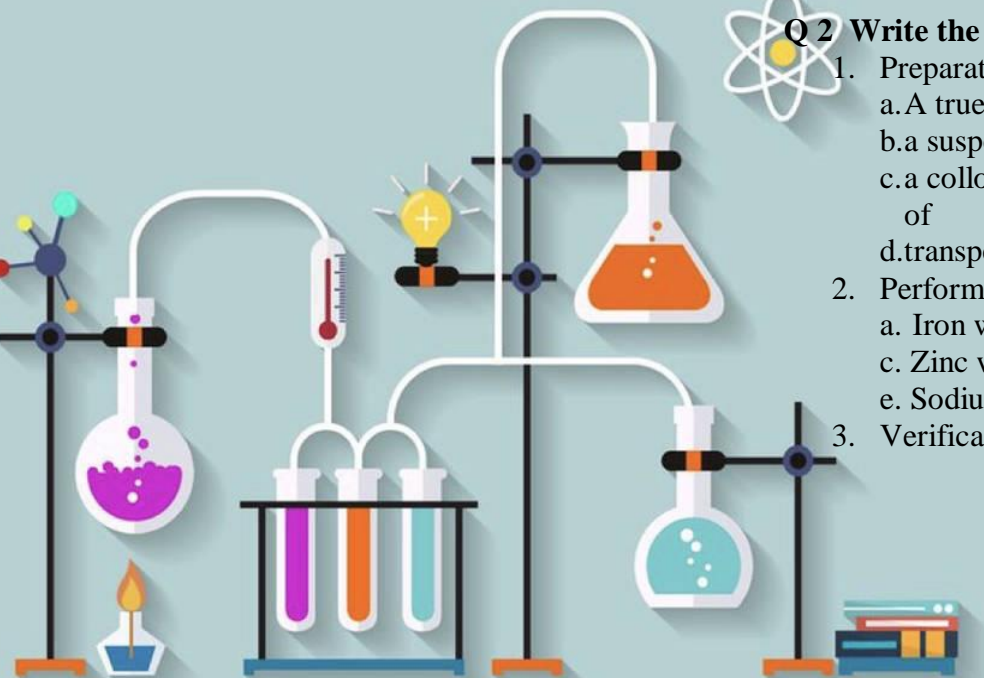
The topics are allotted according to roll numbers mentioned .

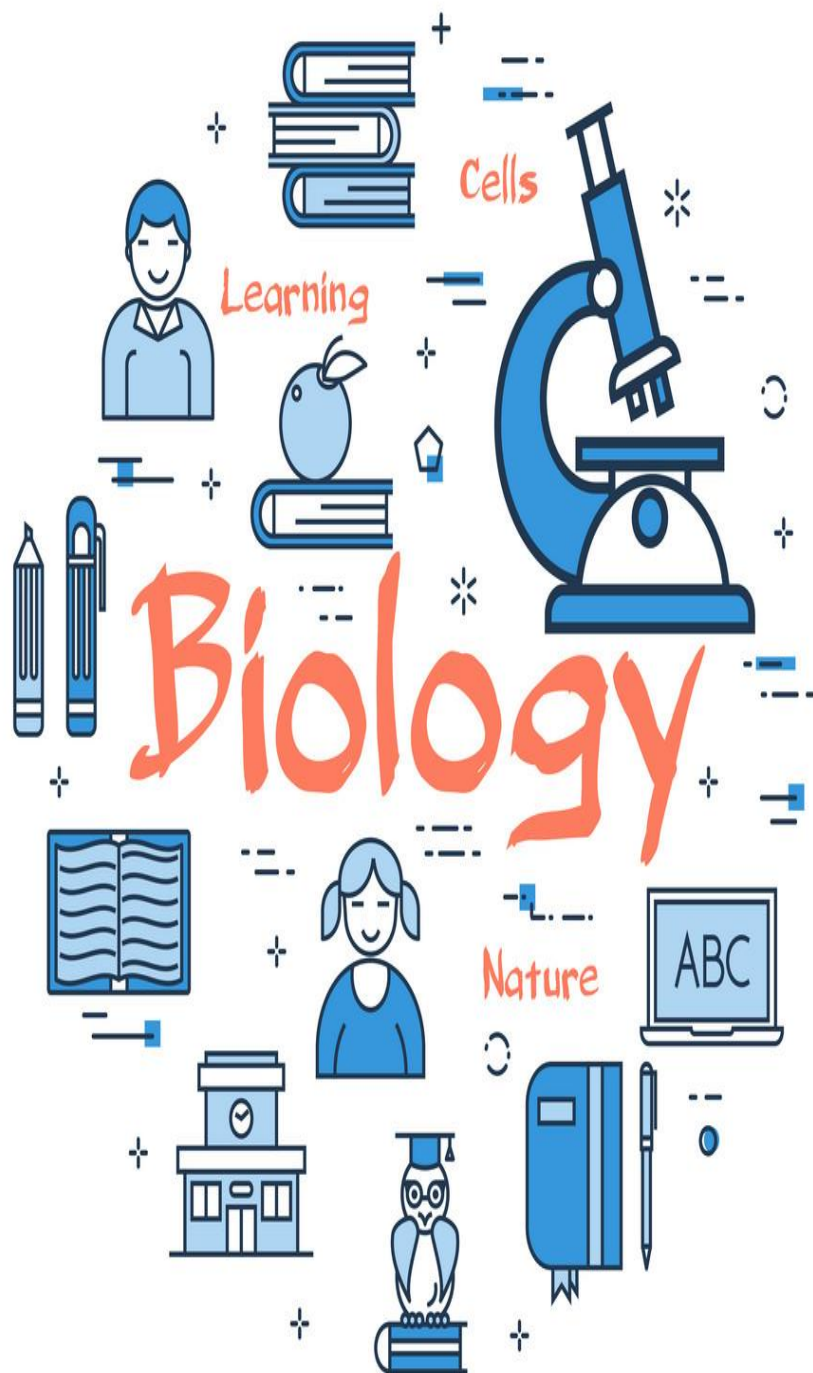
Instructions:

1. Make the portfolio on A4 size interleaf sheets
2. Use relevant pictures and diagrams to explain the concepts.
3. Portfolio should include front page with school logo and project name, certificate, acknowledgement, index and bibliography.
1. Make a flow chart on the classification of matter on the basis of physical and chemical properties of matter with example. Also Give descriptive illustration and explanation about true solution, colloidal and suspension with the help of pictures . (1,5,9,13,17,21,25,29,33,37,41)
2. Laws of chemical combination (from chapter - atoms and molecules). Give proper explanation of each law with example. (2,6,10,14,18,22,26,30,34,38,42)
3. Explanation of Different Models of an atom (Chapter - Structure of atom). Draw neat diagrams and give clear explanation of each model . (3,7,11,15,19,23,27,31,35,39,43)
4. Art integrated activity - Draw periodic table differentiating between metals, non metals, metalloids in a creative way. (You can use different colours, glaze paper etc) (4,8,12,16,20,24,28,32,36,40,44)

Q 2 Write the following Experiments in your practical N/B.

1. Preparation of
 - a. A true solution of common salt ,sugar and alum.
 - b. a suspension of soil ,chalk powder and fine sand in water
 - c. a colloidal solution of starch in water ,egg albumin/ milk in water and distinguish on basis of
 - d. transparency, filtration and stability
2. Perform the following reactions and classify them as physical or chemical change.
 - a. Iron with copper sulphate in water.
 - b. Burning of magnesium ribbon in air.
 - c. Zinc with dil. Sulphuric acid
 - d. Heating of copper sulphate crystals
 - e. Sodium sulphate with BaCl_2 in form of their solution in water.
3. Verification of law of conservation of mass in chemical reaction.





• BIOLOGY

Complete the following practicals in your Lab Manual.

- 1) Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labelled diagrams.
- 2) Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides. Draw their labelled diagrams.

Make portfolio on following topics (according to Roll no.):-

- Infectious and non infectious disease and their causes (1,13,23,33,43)
- Disease caused by microbes and their prevention (2,14,24,34,44)
- Principal of treatment and pulse polio programme (3,15,25,35,45)
- Mitochondria- power house of cell (4, 16,26,36,46)
- Plastids (5,17,27,37)
- Nucleus (6,18,28,38)
- Endoplasmic reticulum(7,19,29,39)
- Lysosome (8,20,30,40)
- Plasma membrane (9, 21,31,41)
- Cell division - Mitosis(10,22,32,42)
- Cell division - Meiosis(11,23,33,43)
- Diffusion & osmosis and it's types (12,24,34,44)

Project Report Must Include:

Title Page (with your name, roll number, school, and session)

Index

Introduction

Detailed explanation of the topic

Real-life examples and case studies (if any)

Diagrams, pictures, or flowcharts (hand-drawn or printed)

Conclusion

Bibliography (sources of information)

Presentation:

Handwritten

10–15 pages (including pictures and diagrams)

Use of coloured pens and creativity is encouraged

INTRODUCTION TO FINANCIAL MARKETING

- Revise the syllabus that was done in the classroom.
- Solve May Unit Test in your FM notebook .
- Activity:-
 - (A) Collect different coins and currency notes paste these in scrap notebook.
 - (B) Make a table with the following details:- currency symbols, flags and currency name. Eg

Name of the Country	Flag	Currency name	Currency symbol
USA		Dollar	\$

- Make a PPT on the topic “Modern Currency.”



INFORMATION TECHNOLOGY

1. Take a printout of a Keyboard layout on A4 Sheet and Identify the keys by marking their categories separately.
2. Prepare a report on the topic "Career options available in IT" using the latest information available on the internet. (Libreoffice Writer/ MS Word)
3. List all the keyboard shortcut keys used in Libreoffice writer software. (In Subject Notebook)
4. Draw and name the various Formatting buttons present on formatting toolbar in libreoffice writer on A4 Sheet.
5. Revise the syllabus done in the class.



Unit 1: Role of Physical Education in Child Development

- A.1) Prepare chart on domain for early childhood development.
- B.1) Prepare slide presentation on cognitive and psychological well-being.
- C.1) Group activity on demonstration of factors influencing physical activities.
- D.1) Write a paragraph on how environmental factors influence physical activity.
- E) Prepare flow chart on sequence of planning cycle.
- F) Write a lesson plan.
- G) Write about the importance of equipment for conducting Phy. Activities.
- H) Group discussion on conducting physical activity sessions.

Unit 2: Planning age-appropriate physical activity

- A) List down the activities to be planned for everyday physical strength session.
- B) Draw the diagram of area required for free play games and list down the equipment needed.
- C) Prepare poster for the dancing and singing activity.
- D) Discuss the various activities to boost cognitive skills.
- E) Prepare a timetable for the physical activity class. F) Discussion on setting time duration for different activities.

Unit 3: Organizing age-appropriate play activities

- A) Identification of games appropriate for different classes and list them down.
- B) Discussion on selection of games for school.
- C) Prepare list of activities that can be conducted for the parents and staff, and discuss in the class.
- D) Prepare a poster for the invitation on sports day and explain about the sequence of games.

Unit 4: Children Health and Safety

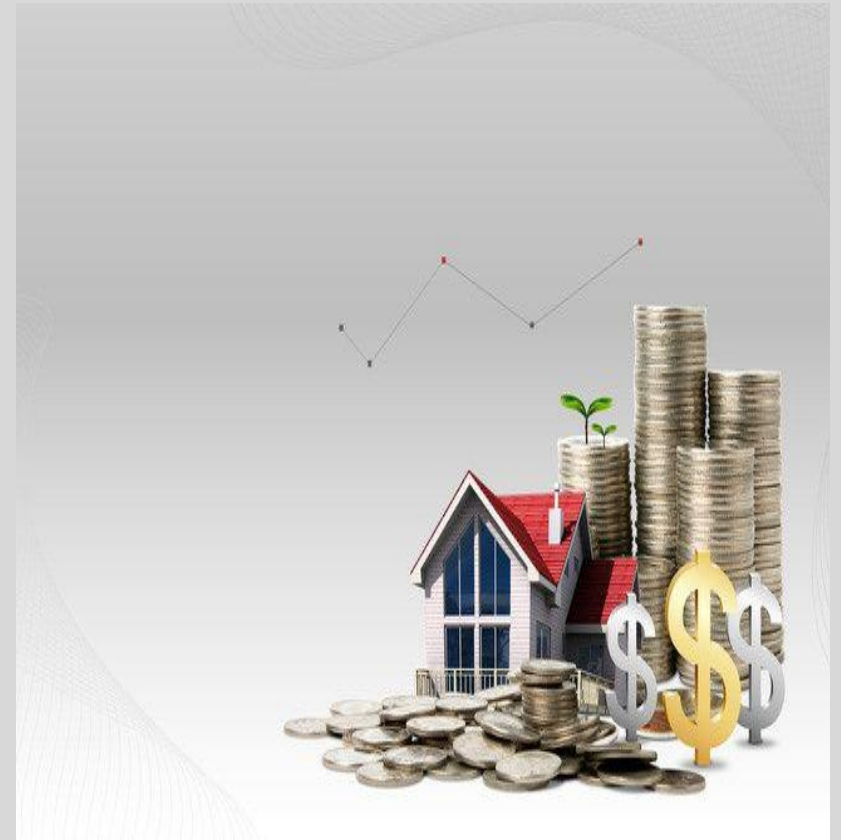
- A) Prepare a chart on macro and micro nutrients.
- B) Development of mental health.
- C) Group discussion on factors influencing child health.
- D) Draw the diagram of storage area of the equipment.
- E) List down the safety aspects for the use of equipment.
- F) Prepare a chart on PRICE-R with relative pictures.

PHYSICAL ACTIVITY TRAINER



BANKING

1. Solve May test.
 1. Collect and write the information of different schemes and their interest rates offered by different banks and Post office.
 2. Make a PPT on RBI. Take out printouts and paste it on a scrapbook.
 3. Make a chart on A3 sheet related to various types of accounts.





Thank you