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) **Questionaire making**

How to do- Prepare15 multiple choice questions from the lesson.

Two stories about flying (Part I and II)

Where to do – English notebook

Parameters - Accuracy, Content, Authentication.

2) **Poetic devices**

How to do – Write any10 poetic devices with two examples each.

Where to do – English notebook

Parameters - Content, Accuracy

3) **Creation with proverb**

How to do - Describe any one of the following prover biny our words . You should also add pictures to make it creative.

★ "Don't count your chickens before they hatch"

★ A stitch in time saves nine.

Where to do- On A4 size sheets

Parameters - Creativity, relevance, presentation.

4) **Do Bravia Reading section :** Ex.7, 8, 9, 10, 38, 39

Bravia Grammar Section : Ex.43, 44, 45, 46, 47, 48

हिंदी

* **पत्र**: आपके विद्यालय में खेल की उचित सुविधा है तथा समय समय पर सभी कक्षाओं पर खेल का आयोजन भी किया जाता है। विद्यालय में खेल प्रतियोगिता होने के पश्चात् प्रधानाचार्य के प्रति आभार व्यक्त करते हुए पत्र लिखिए।

* **अनुच्छेदः**

 सोशल मीडिया का मायाजाल

***उड़ीसा के पकवानों का सचित्र वर्णन करो**

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 ਉੱਥੋਂ ਦੇ ਮੇਲੇ-ਤਿਉਹਾਰਾਂ ਅਤੇ ਖਾਣ-ਪੀਣ ਦਾ ਵਰਨਣ ਤਸਵੀਰਾਂ ਸਹਿਤ ਕਰਦੇ ਹੋਏ ਇੱਕ ਪ੍ਰੋਜੈਕਟ ਫ਼ਾਇਲ ਤਿਆਰ ਕਰੋ।

2) ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ ਵਿਸ਼ੇ ਤੇ ਇੱਕ ਸੰਦਰ ਚਾਰਟ ਤਿਆਰ ਕਰੋ।

3) ਕਿਸੇ ਸਮਾਜ ਸੇਵਾ ਲਈ ਵਿਚਰਨ ਵਾਲੇ ਵਿਅਕਤੀ ਦਾ ਇੰਟਰਵਿਊ ਲੈ ਕੇ ਉਸਦੀ ਜੀਵਨ ਕਥਾ 'ਤੇ ਰਿਪੋਰਟ ਲਿਖੋ (250 ਸ਼ਬਦਾਂ ਵਿੱਚ)

4) ਕਰਵਾਏ ਗਏ ਸਿਲੇਬਸ ਦੀ ਦੁਹਰਾਈ ਕਰੋ।

MATHEMATICS

Maths Lab Manual Activities

Complete the following lab manual activities

1. To Draw the graph of a quadratic polynomial and observe:
   a) The shape of the curve when the coefficient of x^2 is positive.
   b) The shape of the curve when the coefficient of x^2 is negative.
   c) Its number of zeros.
2. To verify that the given sequence is an A.P. using paper cutting and pasting method.
3. To establish the formula for the sum of first n terms of an A.P.
4. To verify the Basic Proportionality Theorem.
5. To verify the following criteria for similarity of triangle:
   a) AAA   b) SSS   c)SAS
6. To verify the Section Formula graphically.
7. To verify the fundamental trigonometric identity, $\sin^2\theta + \cos^2\theta = 1$.
8. To verify the lengths of the tangents drawn from the external point to a circle are equal using paper folding method.
9. To find the formula for the lateral surface area and total surface area of a right circular cone experimentally.
10. To verify the formula for the volume of a sphere experimentally.
11. To get familiar with the idea of probability of an event using paper cards.
❖ Do the above mentioned Activities in Lab manual.
❖ Prepare an Art integrated project, on Punjab & Odisha according to the data shared in the class groups.
❖ Solve the Periodic Test question paper on assignment A4 sheet to attach with port folio.
❖ Revise the syllabus done in the class.

PROJECT WORK

SOCIAL SCIENCE

A. Every student has to compulsorily undertake any one project on the following topics:

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

Features

1. The projects and models prepared should be made from eco-friendly products without incurring too much expenditure.
2. The Project Report should be handwritten by the students themselves.
3. Students can use A4 size sheets.
4. 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. Prepare 20 MCQ's each of the following chapters
   i) Nationalism in India
   ii) Water Resources

PHYSICS

1. Prepare a portfolio showing

    a) all the ray diagrams of concave and convex lens and briefly explain the use of each case in daily life.

    b) Show refraction through glass slab when

      i) Ray of light incidents normally on it

      ii) Ray of light incidents obliquely on it

2. Complete the following practicals in your practical file

  a) Determination of focal length of

    i) Concave mirror ii) convex lens by Obtaining the image of a distant object.

    ii) Tracing the path of India of light from a rectangular glass slab for different angles of incidence.

    iii) Tracing the park of ray of light through a glass prism.

    iv) To study ohms law using V- I graph

    v) To study equivalent resistance in series and in parallel combination.

CHEMISTRY

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

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.

The topics are allotted roll number wise as follows.

1. Write a short article about the types of mineral resources found in Andaman and Nicobar and Lakshadweep Islands on A4 size colored sheet and paste relevant pictures. **(Roll no-1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41)**
2. Classify different types of chemical reactions with the help of examples and also paste the pictures illustrating the type of chemical reaction**.
   (Roll no-2,6,10,14,18,22,26,30,34,38,42)**
3. Demonstrate the process of corrosion exploring methods of prevention and investigating real world examples with the help of pictures.
   (**Roll no-3,7,11,15,19,23,27,31,35,39,43)**

4. Prepare a portfolio exploring carbons unique properties ,its diverse compounds and its significance in various applications**. (Roll no-4,8,12,16,20,24,28,32,36,40,44)**
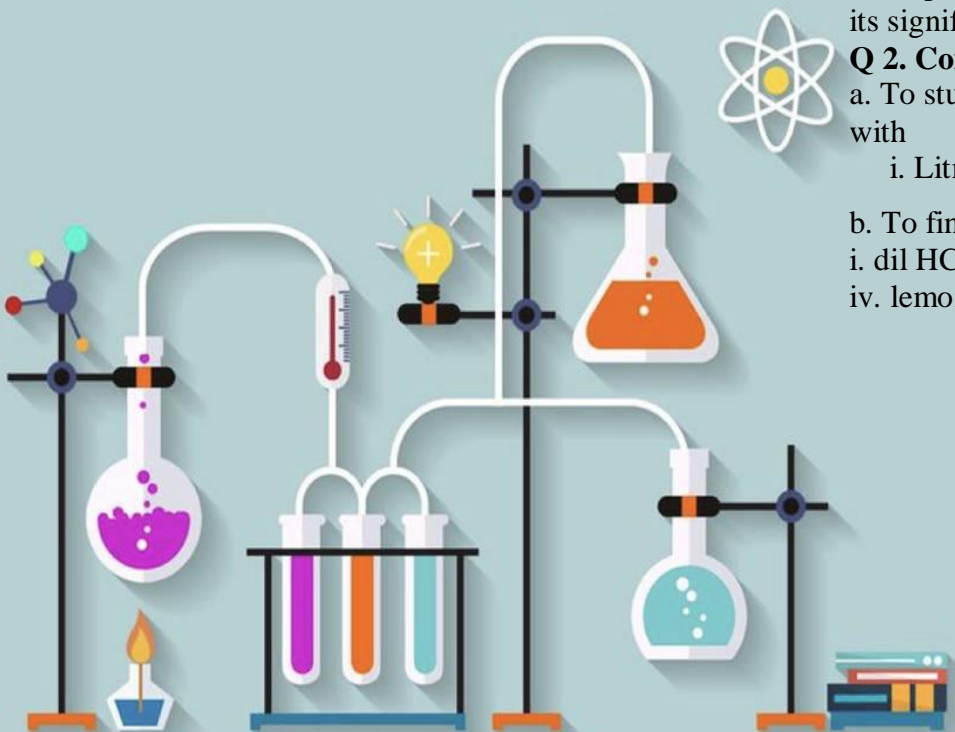
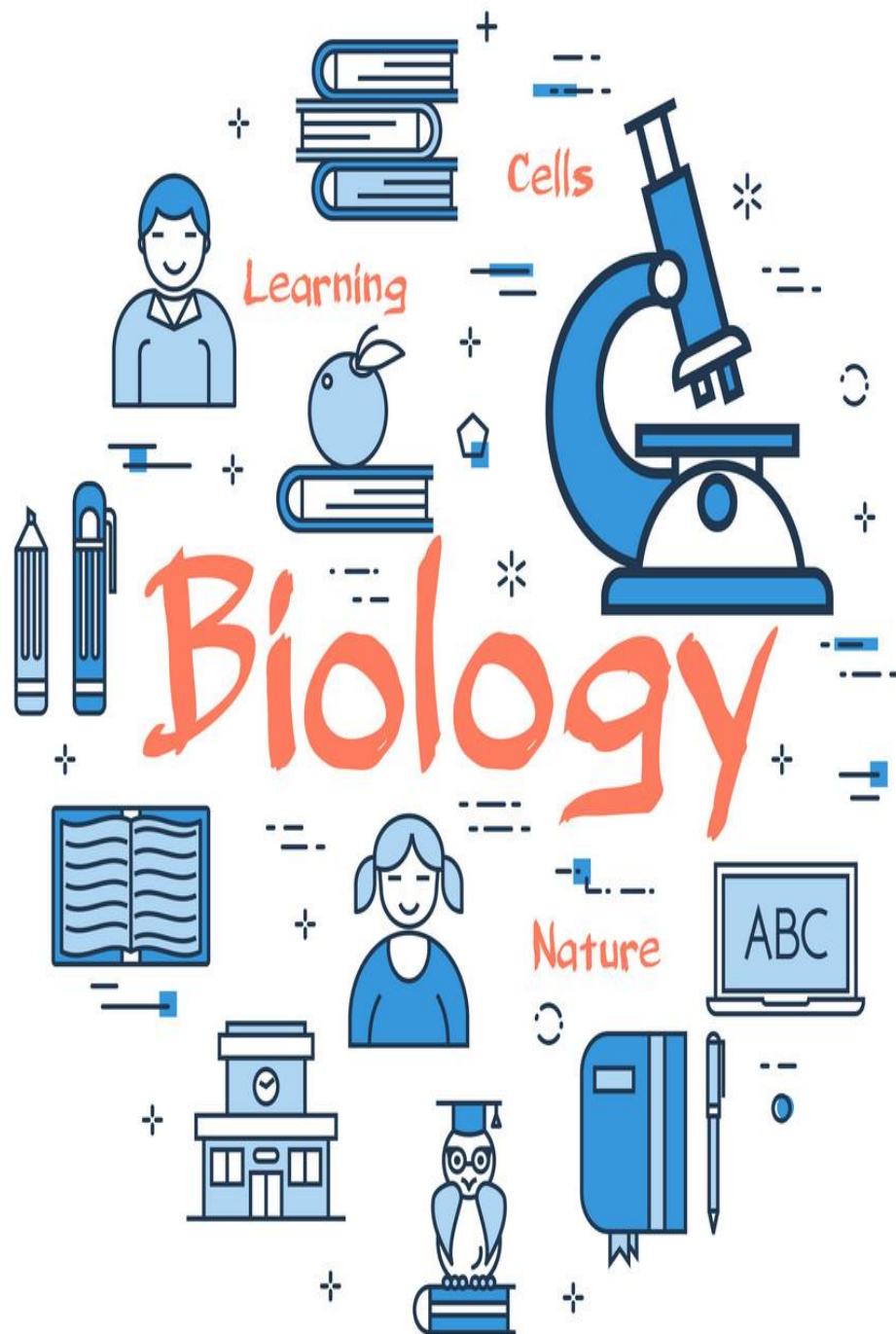**Q 2. Complete the following experiments in practical N/B.**

a. To study the properties of acids and bases (dil HCl and dil NaOH) by their reaction with

   i. Litmus solution (blue/red)   ii.Zinc metal   iii solid sodium carbonate

b. To find the pH of following samples by using pH paper / universal indicator

i. dil HCl   ii. dil NaOH   iii. dil ethanoic acid

iv. lemon juice   v .water   vi. dil sodium bicarbonate solution

BIOLOGY:

 # Complete the following PRACTICALS in your Lab manual.

1. Preparing a temporary mount of a leaf peel to show stomata.
2. Experimentally show that carbon dioxide is given out during respiration.
3. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra .
4. Identification of the different parts of an embryo of a dicot seed (pea, gram or red kidney bean).

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

- Ozone Depletion (1,13,23,33,43)
- Waste management (2,14,24,34,44)
- Biodegradable non biodegradable waste (3,15,25,35,45)
- Sexually Transmitted diseases (4, 16,26,36,46)
- Phytohormones   (5,17,27,37)
- Acquired & Inherited traits (6,18,28,38)
- Human Digestive system (7,19,29,39)
- Human Circulatory system (8,20,30,40)
- Human Excretory system (9, 21,31,41)
- Photosynthesis (10,22,32,42)
- Autotrophic & Heterotrophic nutrition (11,23,33,43)
- Double Circulation (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

- **Do all these Activities in your practical notebook:**
  1. Collect the information of different schemes and their interest rates from different banks and post office.
  2. Make a PPT on the topic ' Securities Market'. Take printouts & paste it on Scrapbook.
  3. Make a chart of A3 size sheet on topic 'Parts of Speech' including Meaning and examples.

INFORMATION TECHNOLOGY

1. Write a paragraph on "Technology-A Boon or Bane" in 'writer' software.

  a. Insert required images towards the right of the text.

  b. Include approximately 5 main headings and 1 subheading.

2. Create an e-certificate in open office writer. Use different drawing objects and group them as per the requirement.

3. Make a presentation of different types of virus and antivirus.

4. List uses/advantages of document Styles..

5. Revise the topics covered in open office writer.