

LK SINGHANIA PUBLIC SCHOOL



SEEK EXCELLENCE - EVERYTIME, EVERYWHERE

SUMMER VACATION HOMEWORK





PHYSICS

1. Solve all the worksheets of the Chapter-Reflection and Refraction
2. Solve all the intext questions, NCERT Exercise of the chapter-Reflection and refraction.
3. Learn the chapter-Reflection and Refraction

CHEMISTRY

1. Solve all the worksheets of the Chapter-Chemical reactions and equations.
2. Solve all the intext questions, NCERT Exercise of the chapter-Chemical reactions and equations.
3. Read the chapter Metals and Non-metals.

BIOLOGY

Chapter- Life Processes Holiday Homework

1. Draw the diagram of cross – section of a leaf and label the following in it:
 - a. Chloroplast
 - b. Guard cell
 - c. Lower epidermis. Upper epidermis
 - d. Stoma
 - e. Cuticle
 - f. stomatal opening
2. Draw a well labelled diagram of the human digestive system?
3. Name any two autotrophic plants which also show heterotrophic mode of nutrition. Why do they need to do so?
4. Bile does not contain any enzymes, yet it is essential for the digestion of food. Why?
5. How would non – secretion of hydrochloric acid in our stomach affect food digestion? Explain.
6. How nutrition takes place in Amoeba? Explain with the diagram.
7. How does each of the following factors affect the productivity in the process of photosynthesis?

a) Temperature

b) Water

c) Carbon dioxide.

8. How is the small intestine designed to absorb digested food?

9. How are fats digested in our body? Where does this process take place?

10. Explain the mechanism of photosynthesis in higher plants.

11. What is the role of saliva in the digestion of food?

12. What are the differences between autotrophic nutrition and heterotrophic nutrition?

13. Explain the process of nutrition in paramoecium?

14. Give one example each of the organisms shows saprophytic and parasitic nutrition.

15. What is common for Cuscuta, ticks and leeches?

16. Name the substrates for the following enzymes

i) trypsin

ii) amylase

iii) pepsin

iv) lipase

17. Write an experiment to prove the essentiality of light for photosynthesis.

18. What are the necessary conditions for autotrophic nutrition and what are its byproducts?

19. How will you prove that starch is produced during photosynthesis?

20. In each of the following situations what happens to the rate of photosynthesis?

(a) Cloudy days (b) No rainfall in the area (c) Good manuring in the area (d) Stomata gets blocked due to dust.

MATHS

1. Learn the squares upto 30.

2. Learn the cubes upto 15.

3. Solve the worksheet of all the chapters taught in the class.

4. Solve the MCQ of Chapter 2,3 and 4.

5. Practice all the chapters taught in the class in a separate notebook.

HINDI

Class 10 - *ग्रीष्मकालीन अवकाश कार्य*

क्षितिज भाग -2 के पाठ- नेताजी का चश्मा , बाल गोबिन भगत *व्याकरण* वाक्य और वाच्य के जो प्रश्न इंटीग्रेटेड वर्कबुक में दिये गये हैं उन्हें *वर्कबुक* में ही करने हैं।

रचना लेखन

पत्र

1* किसी विशेष टी.वी. चैनल द्वारा प्रायः अंधविश्वासों को प्रोत्सहित करने वाले अवैज्ञानिक और तर्कहीन कार्यक्रम दिखाए जाने पर अपने विचार व्यक्त करते हुए किसी समाचार पत्र के संपादक को पत्र लिखिए।

2 आपकी बहन कस्बे से अपनी पढ़ाई पूरी कर आगे शिक्षा के लिए बड़े नगर में गई है। नगर के वातावरण में संभावित परेशानियों की चर्चा करते हुए उनसे बचने के तरीके उसे पत्र द्वारा समझाइए।

अनुच्छेद

1.*सौर ऊर्जा*

संकेत बिन्दु-सौर ऊर्जा से तात्पर्य, सौर ऊर्जा का उत्पादन, लाभ।

2.*इंपल्सिव शॉपिंग और उपभोक्तावर्ग*

संकेत बिंदु• अर्थ

•खरीदने का पागलपन

•उपभोक्तावर्ग

•बेतहाशा खरीददारी का कारण

ये पत्र और अनुच्छेद हिन्दी की कॉपी में करने हैं।

ENGLISH

Summer Vacation Delight Assignments

Section A: Reading and Writing

1.Read and Comprehend

◆ Prose:

Fiction 2: Nelson Mandela

Fiction 3: Two stories about Flying

Fiction 4: Diary of Anne Frank

◆ Poetry:

Poem 3 A Tiger in the Zoo

Poem 4 How to tell Wild Animals

◆ Moments: Supplementary Reader

Chapter 2 The Thief's Story

Chapter 3 The Midnight Visitor

2. Integrated Worksheets:

- ◆ Complete all the worksheets related to the above chapters and poems .
- ◆ Do page no 1-13 Unseen Passages of Integrated Worksheets.
- ◆ Do practice of Grammar Exercises given in Worksheet Page no 14-18 or from any other site too.
- ◆ Make notes of the above chapters & poems in your Class English notebook.
- ◆ Write all the letters given in English Integrated Worksheet Page no 19 &20 in your CW English notebook.

Section B :Learning

- ◆ Learn all the chapters and poems summary and theme.

Pre reading:as it is going to help you in your Half yearly Examination .

Section C : Creative Task

- ◆ Watch English movie Nelson Mandela or Diary of Anne Frank and write a movie review in 30-40 words in your English notebook.

Happy Learning!

SOCIAL SCIENCE

Homework 1: Project Work (Any One)

i. Social Issues

II. Consumer Rights

III. Sustainable Development

Homework 2: Art Integration Project

Homework 3:

*Revise all the chapters which had been taught in April 2024.

*Read History Chapter 1 Rise of Nationalism in Europe carefully and frame 20 Objective, 10 V. Short, and 5 Short Answer type Questions, and write their answers.

COMPUTER

X IT 402

Holiday HW

Read the chapter carefully

Write question answer session- wise of the following chapters

chapter 2

self management skill

Chapter 3

Basic ICT skill

Chapter 4

Entrepreneurial skill

Chapter 5 Green skill

Make a ppt on anyone topic (Min. 15 slides)

1. Describe internet security concerns
2. Maintain workplace safety
3. Green Skill
4. prevent accidents and emergencies.
5. use accessibility options on the computer
6. communication skill
7. Self management skill
8. Entrepreneurial skill