



# St. James School

## HOLIDAY HOMEWORK

CLASS – 11

# Happy Summer Vacation



Summer holiday homework aims to keep students mentally active during long breaks and prevent learning loss, often called the "summer slide". It encourages self-discipline, independent research, and practical learning through creative projects, reading, and hands-on activities, ensuring a smooth transition back to the classroom. So parents are requested to do the students all the work by themselves, you can facilitate them but do not do their work. We wish you a healthy and happy holidays.

### PHYSICS

1. Make a flow chart of fundamental units and derived units in A4 sheet.
2. Prepare one mark twenty questions and two marks 10 questions from chapter: Physical world, unit and dimensions, mechanical properties of solids & thermal properties of matter.

### CHEMISTRY

Experiments provide insight into cause-and-effect by demonstrating what outcome occurs when a particular factor is manipulated. Prepare a CHEMISTRY INVESTIGATORY PROJECT on the topic assigned to you by the subject teacher in the class. Use A4 size sheets for the project including various newspaper clippings, images, latest discoveries and inventions relevant to the topic. Follow the given headings in the project:

- a) INTRODUCTORY PAGE
- b) CERTIFICATE
- c) ACKNOWLEDGEMENT
- d) INDEX/CONTENTS
- e) INTRODUCTION
- f) AIM
- g) CHEMICALS REQUIRED
- h) PROCEDURE/EXPERIMENT(S)
- i) OBSERVATIONS
- j) RESULT
- k) CONCLUSION
- l) BIBLIOGRAPHY

2. To inculcate scientific temperament and for understanding the conceptual knowledge of chemistry, students have to prepare a GLOSSARY OF CHEMISTRY. Add relevant pictures, diagrams and related to these discoveries. Use A-4 size sheets and write in neat handwriting. Glossary must comprise of 10 Chemistry terms (with their definitions) of each alphabet including Laws, formulas, principles and microscale chemistry apparatus.

### BIOLOGY

1. To prepare project of 15-20 pages on the topic cell division. It should include:
  - Cover page
  - Index

- Acknowledgement
- Certificate
- Introduction
- Details about the project
- Annexure
- Bibliography

2. Prepare 1 mark 20 questions from each chapter 1, 2, 5, 12,16. Submit in the form of typed hard copy

### MATHS

1. Make 10 multiple choice questions for each chapter (1,2,4,5)

2.. Do all these activities in practical file

Activity 1: To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is  $2^n$ .

Activity 2: To represent set theoretic operations using Venn diagrams.

Activity 3: To distinguish between a Relation and a Function.

Activity 4: To verify the relation between the degree measure and the radian measure of an angle.

### ENGLISH

PROJECT WORK- Choose any two activities from the three given below

1. Write a blog on the topic- "If you need to survive moments of uncertainty, you need to be in harmony with the team" (Based on the chapter We are not afraid to die...) or a blog on The Joys of travelling (on land /sea/air)

2. POETRY SLAMMIN' -Writing Slam Poetry using rhythm, alliteration, assonance based on Shirley Toulson's Poem- A Photograph. Describe an incident, a holiday, a nostalgic memory using this genre.

3. Prepare a comic strip from the lesson (Portrait of a lady) or The poem- Laburnum Top. Your lesson/ or a significant part of the lesson must be covered in 12-15 frames. You may draw, colour on paper or make it on Canva.

### PHYSICAL EDUCATION

• Write 2 practical's in Physical Education File (Samar Publication).

Practical 1. Any one individual game (Badminton, Table -Tennis and Taekwondo)

Practical 2. Any one team game (Football, Basketball and Cricket)

प्र 1 = प्रकृति से संबंधित 10 कविताओं का संकलन करें और पोस्टर बनाएं।

प्र2 = कविता (आरोह)1 से 10 याद करें।

प्र3 = आरोह पाठ 1 से 10 याद करें।

प्र4 = अभिव्यक्ति और माध्यम में जनसंचार और संचार, प्रिंट माध्यम, संपादन, पत्रकारिता ,समाचार लेखन ,इंटरनेट आदि सभी अध्याओं को याद करें।

**HINDI** प्र5 = कोरोना से होने वाले दुष्प्रभावों (वर्तमान और भविष्य)का अध्ययन कर एक रिपोर्ट तैयार करें।

## **PHYSICAL EDUCATION**

PROJECT REPORT TOPICS ON SPORTS ACROSS VARIOUS CATEGORIES.  
FOR CLASS 11TH

1. Introduction:

Purpose of the file:

Selection of sport:

Briefly explain why you chose the sport for your practical file.

Overview:

Provide a brief overview of the sport, including its history, popularity, and basic rules.

2. History of the Sport:

Origins and development:

Discuss the sport's origins, its evolution, and key milestones in its development.

Significant events:

Mention any major championships, tournaments, or competitions that have shaped the sport's history

## **Business studies**

Title: The Role of Small-Scale Industries in Economic Development

Index

1. Acknowledgment

2. Introduction

3. Objectives of the Study

4. Methodology

5. Theoretical Background

6. Data Collection

7. Analysis and Interpretation

8. Findings

9. Suggestions

10. Conclusion

11. Bibliography

## **ACCOUNT**

Title: Source Documents and their role in Accounting

Objective: To understand and demonstrate the use of various Source Documents in accounting.

Project Structure:

\*Introduction- Meaning, Importance in Accounting, Importance in Accounting.

\* Types of Source Documents (with examples and explanation)-

a) Cash Memo

b) Invoice

c) Receipt

d) Debit Note

e) Credit Note

f) Cheque

\*Summary ( What you learnt)

\*Bibliography

Assignment: Comparative Study of Sole Proprietorship and Partnership.

Objective

To develop a comprehensive understanding of the key differences and similarities between sole proprietorship and partnership forms of business ownership, and to evaluate their respective advantages and disadvantages.

Comparison Criteria

Structure your comparison under the following headings:

\*Formation and Registration

\*Ownership and Control

\*Capital Contribution

\*Legal Status

\*Profit and Loss Sharing

\*Decision-Making

\*Liability

\*Continuity of Business

\*Tax Implications

\*Regulatory Compliance

## **ECONOMICS**

CHOOSE ANY ONE TOPIC FROM THE FOLLOWING:

- Micro and Small Scale Industries
- Food Supply Channel in India
- Contemporary Employment situation in India
- Disinvestment policy of the government
- Goods and Services Tax Act and its Impact on GDP •

III. All students must try to enrol themselves for an internship programme or summer school programme which will allow experiential learning with a realistic approach. The internship can be done in any corporate office/ shop/NGO which will allow the students to observe the management and financial aspects of the organization. A brief report of 250 - 300 words to be prepared and presented in the month of July.

## **HOME SCIENCE**

1. Revise lessons 1, 3,4 and 6.
2. List and discuss 4-5 areas of agreement and disagreements with your mother, father, siblings,pears and teachers.
3. Find recipes related to iron rich, calcium rich and protein rich for practicals.

## **HISTORY**

1. Complete Assignment of Chapter 1 and 2.
2. Make Cbse Project file with Research work.
3. Frame competency based questions of Chapter 1 and 2.
4. Practice Source based questions.

## **POLITICAL SCIENCE**

1. Read the chapters done in the class of book first.
2. Work on the project for your half yearly assessment & final assessment as per the guidelines given.
3. Observe lok sabha elections 2024 & make a vlog oh the same , covering various sub events.