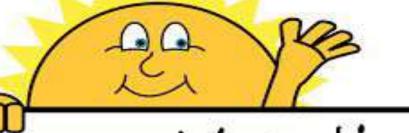


# DAY PUBLIC SCHOOL // SAHIBABAD

### Summer Break Assignment

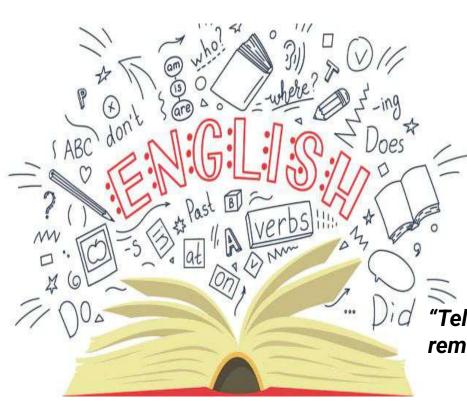
**Class - 11** 



Summer Vacation

"The Pessimist Sees Difficulty In Every Opportunity. The Optimist Sees Opportunity In Every Difficulty."

- Winston Churchill



### English

"Tell me and I forget. Teach me and I remember. Involve me and I learn." – Benjamin Franklin

### English

Project to assess creativity in expression.

#### Project will consist of:

- **Two** self composed poems on any topic of students choice
- **Two** short stories to be written by students:

STORY 1 Write a story about a character who reflects your personality.

STORY 2 What if one morning you woke up and discovered that every decision you made would be reversed exactly 24 hours later? How would you react?

OR

A short write up (120 -150 words) on any FOUR 'Literary Themes' mentioned below:

1) Love & Sacrifice 2} The Hero's Journey 3) War and Peace 4) Identity & Belonging 5} Good vs Evil 6) Survival against the odds

### English

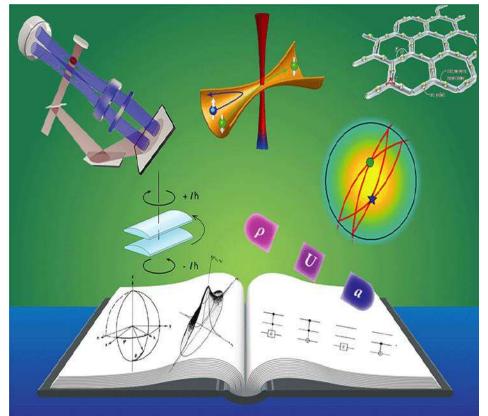
The following Rubrics will be kept for consideration while assessing the project. FOR THE SELF COMPOSED POEM:

- 1. Creativity & originality
- 2. Theme and idea
- 3. Form & structure
- 4. Clarity & coherence
- 5. Language & Style

#### FOR THE SHORT STORY & WRITE UP:

- 1. Creativity & Originality
- 2. Organization
- 3. Word choice
- 4. Spelling & grammar

Presentation of work will also be considered when awarding marks. (Students will use transparent punch files. Images, drawings, sketches & illustrations can also be used to make the project presentable.



### **Physics**

"Energy is liberated matter, matter is energy waiting to happen." – Bill Bryson

### Physics

- 1. Complete NCERT Questions of Chapter 3 and the assignment on Chapter: 1 to 3, posted in Physics group.
- 2. Prepare an experiment based or Model based Project as per the theme allotted roll number wise. (Posted in Physics Group).
  - Step 1. Perform an experiment or prepare a Model on alloted theme.
  - Step 2. Prepare a report file on the above Project in the following format:"

Certificate

Aim of the project

**Apparatus required** 

Theory / Principle

Diagram

**Observations** 

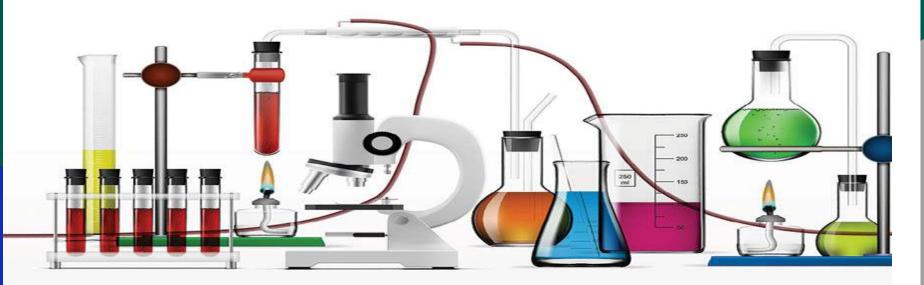
**Calculations / Data Analysis (if any)** 

Conclusion

**Bibliography** 

Step 3. Prepare a short video of maximum 5 minutes on the Project, create a link and submit it on the Google form provided in the Physics group.

## Chemistry



"Chemistry is necessarily an experimental science: its conclusions are drawn from 

✓data, and its principles supported by evidence from facts."

### Chemistry

Section-A- Reading Homework: Learning and Pre-reading homework. Read the chapter 1 and 2 from NCERT

Section-B- Written Homework: Chapter wise Revision assignment. Do all NCERT EXAMPLER PROBLEM OF CHAPTER-1 AND 2

Section-C- Creative Project/ Working model/ Inquiry based project. TAKE TOPIC OF PROJECT FROM LAB AND MAKE INVESTIGATORY PROJECT OVER IT COVERING **Prepare a report file on the above Project in the following format:**"

### Chemistry

Certificate
Aim of the project
Apparatus required
Theory / Principle
Observations
Calculations / Data Analysis (if any)
Conclusion
Bibliography

Section-D- Experiment based activity. TAKE PRINT OUT OF SALT ANALYSIS SHARED AT WHATSAPP GROUP AND LEARN IT SYSTEMATICALLY.



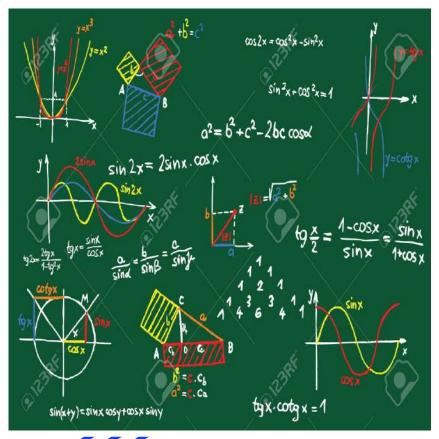
#### **BIOLOGY**

"Not the strongest of the species survives, nor the most intelligent, but the one most responsive to change.

#### **BIOLOGY**

1. Activity-1: Prepare minimum 25 herbarium sheets

- 2.Do all the NCERT question answers for 3,4,and 5th chapters
- 3.Activity: 2-Observe any 5 flowers and identify them as hypogynous, epigynous or perigynous flowers and write their Floral description
- 4. Complete writing the 3 practicals completed as lab activity with Aim and observations



Without mathematics, there's nothing you can do. Everything around you is mathematics. Everything around you is numbers.

— Shakuntala Devi, Indian writer and mental calculator

#### Reading Homework:

**Section - A: Pre-Reading Homework** 

#### **Written Homework:**

**Section-B: Chapter-wise Revision Assignment** 

**Section-C: Lab Practical Notebook Work** 

**Section-D: Creative Project/ Model** 

#### Material Required:

- 1. NCERT TEXTBOOK
- 2. ASSIGNMENT NOTEBOOK
- 3. A-4 SHEETS
- 4. GRAPH COPY
- 5. LAB PRACTICAL NOTEBOOK
- 6. CHART PAPER, GLUE ETC.

#### **Instruction/Guidelines for Reading Homework:**

#### Section - A: Pre-Reading Homework

- Do the Pre-Reading of Chapter No.6 Permutation and Combination and Ch-8
   Sequence and series.
- · Do the reading of Appendix-1 and 2 given at the end of NCERT Textbook
- · Write all the difficult words & their meanings of above chapters and appendix in Maths N.B.

#### **Instruction/Guidelines for Written Homework:**

Section-B: Do the given Assignments in the below given link on separate Assignment N.B. https://drive.google.com/file/d/1dKT\_uLq8qoypSSO1CRkcn3LzvuQsUbw\_/view?usp=drive\_link

Section-C: Do Lab Practical Activities in the below given link in Practical N.B with proper

index and figures.

https://drive.google.com/drive/folders/1RjqgSTG5LXNkUYsLp\_ubJhzjjS\_oYZoz?usp=drive\_link

**Section – D: Creative Project/ Models** 

- To Create a visual diary of graphs showcasing various algebraic functions and trigonometric functions to further determine each functions domain and range.
  - 1. f(x) = x
  - 2. f(x) = 1/x
  - 3. f(x) = c, c = constant
  - 4.  $f(x) = x^2, x^3$

5. 
$$f(x) = a^x$$
,  $(a > 1, 0 < a < 1)$ 

6. 
$$f(x) = e^x$$

7. 
$$f(x) = \log_a x \ (a > 1, 0 < a < 1)$$

8. 
$$f(x) = \log_e x$$

9. 
$$f(x) = [x], [x] = greatest integer function$$

10.  $f(x) = \sin x$ ,  $\cos x$ ,  $\tan x$ ,  $\sec x$ ,  $\cot x$ ,  $\csc x$  defined on their respective domain.

11. 
$$f(x) = |x|$$
; Modulus Function.

Marking scheme for Maths homework: -

- Section-A: Pre-Reading HW
- Difficult words & their meanings in N.B.- 5 marks
- Section-B: Chapter wise Revision Assignments- 5 marks
- Section-C: Lab Practical -5 marks
- Section-E: Project/Model 5 marks

#### **Important Note:**

All students must submit their vacation Homework for Assessment by teacher on 1st July 2025 by all means. Five marks will be deducted for per day of delay after 1st July 2025.

Total marks of Maths H.W. 20 marks



## Accountancy

(055)

Accounting does not make corporate earnings or balance sheets more volatile. Accounting just increases the transparency of volatility in earnings.

Diane Garnick

## Accountancy

Click on the following link to view Holiday work. Attempt any one of the given projects.

https://docs.google.com/document/d/1kdZY55rM2ubXSB161ZudoctJzH5w-aJZ/edit?usp=sharing&ouid=104955915644880118150&rtpof=true&sd=true

### Business Studies (054)



"Business has only two functions – marketing and innovation." – Peter Drucker

### **Business Studies**

It consists 4 Section

Section A: Recapitulation

Section B: Written Assignments

Section C: Creative and Research Based Assignment

Section D: Fun and Games

Section A: Recapitulation of

Chapter. Prepare Notes

According to yourself.

Write down key Points in

Notebook

Section B: Write the Answer in Thin notebook of

the assignment link attached below:

https://docs.google.com/document/d/1b\_PA4LaF

7S0PsLf5nCgWIzTvapkSOsiRKUifOSMzJdo/edit?us

p=drivesdk

Section C: Creative and Research Based Assignment:

Prepare a presentation or Make a Scrap Book on the evolution of currency in India highlighting key developments and trends

Material Required: NCERT book, Thin Register for assignment, Scrap book and Coloured A 4 sheets.

Section D: Fun and Games: Create a crossword or Word Search Puzzle related to the concept studied in Chapter 1 of Business Studies in A4 sheet.

#### **General Instructions:**

- 1. Do your Holiday Homework neatly
- 2. Use NCERT book for reference
- 3. Submit it in first Week of July.
- 4. Marks will be allotted and added in your project work (Max. 5 marks)



### **Economics**

"If there's any part of the economy that's delivered for all the citizens, it's got to be the work that we and our partners in our industry have done,"

## Economics

- # Make a sample survey on any product of your choice and present it in a project file.
- # For survey prepare a questionnaire (10 questions), conduct a survey, present the data in a Pie Chart and interpret.
- # Information must be collected from at least 10 people.
- # All questions must be of objective type.

#### **AND**

# Do the assignments posted in your class group.

# Geography



Geologists have a saying - rocks remember.

### Geography

• Prepare one scrap file for the locations given (as per cbse curriculum 2025-26) from both the book .

#### **Instructions:**

- Locations of one chapter should be marked on one map.
- For labelling use pencil or black pen only.

Map Work	
Book- Fundamentals of Physical Geography	
(Map items for locating and labelling only on the outline political world map)	

	entals of Physical Geography ocating and labelling only on the out	line political world map)	
Chapter	Map item (Map present on official v		
Chapter 4 Distribution of oceans and continents	<ul> <li>Political Map of all Continents</li> <li>Major Oceans of the world: Inc Ocean, Arctic Ocean, Souther and Minor lithospheric plates, Atlantic Ridge.</li> </ul>		
Chapter 9 Atmospheric Circulations and Weather Systems	Major Hot Deserts of the world:  Mojave Desert- Nevada, US Patagonian Desert- Argentina Sahara- Africa Gobi Desert- Mongolia, Asia Thar desert- India Great Victoria Desert- Australia		
Chapter 12 Water (Oceans)	Major Seas     Black sea     Baltic sea     Caspian Sea     Mediterranean Sea     North Sea     Red sea Bay of Fundy (Canada)-Famous for th	e highest tides in the world	
Chapter 13 Movements of Ocean Water	Ocean Currents  • Humboldt c. • California c. • Falkland c. • Canaries c. • West Australian c. • Oyashio c. • Labrador c	Warm currents  Alaska c. Brazilian c. Agulhas c. Kuroshio c. Gulf stream c.	
Chapter 14 Biodiversity and Conservation	Ecological hotspots     Eastern Himalaya, India     Western ghats, India     Indonesia, Asia     Eastern Madagascar, Africa     Upper Guinean forests, Africa     Atlantic forest, Brazil     Tropical Andes		

Map Work Book- India Physical Environment (Map items for locating and labelling only on the outline political map of India)			
Chapter	Map item (Map present on official website of Govt. of India should be used)		
Chapter 1 India- Location	Environment ng and labelling only on the outline political map of India)  Map item (Map present on official website of Govt. of India should be used)  • Latitudinal extent of India • Longitudinal extent of India • Standard Meridian of India • Important latitude passing through India (Tropic of Cancer) • Southern Most Point of mainland of India (Kanya Kumari)		
Chapter 2 Structure and Physiography	Mountains: Karakoram Range, Garo- Khasi- Jaintia hills, Aravalli Range, Vindhyan Range, Satpura Range, Western ghats & Eastern ghats     Peaks: K2, Kanchenjunga, Nandadevi, Nanga Parvat, Namcha Barwa and Anaimudi     Passes: Shipkila, Nathula, Palghat, Bhor ghat and Thal ghat Plateaus: Malwa, Chhotnagpur, Meghalaya and Deccan Plateau.     Coastal Plains: Saurashtra, Konkan, North and South Kanara, Malabar, Coromandel and Northern Circars Islands: Andaman & Nicobar Islands and Lakshadweep Islands		
Chapter- 3 Drainage System	<ul> <li>Rivers: Brahmaputra, Indus, Satluj, Ganga, Yamuna, Chambal, Damodar, Mahanadi, Krishna, Kaveri,Godavari, Narmada, Tapti and Luni</li> <li>Lakes: (Identification)Wular, Sambhar, Chilika, Kolleru, Pulicat &amp; Vembanad</li> <li>Straits, Bays, Gulfs: Palk Strait, Rann of Kachch, Gulf of Kachch, Gulf of Mannar &amp; Gulf of Khambat</li> </ul>		
Chapter-4 Climate	Area with highest temperature in India     Area with lowest temperature in India     Area with highest rainfall in India		

Area with lowest rainfall in India

(Identification on an outline map of India) Tropical evergreen,

Tropical deciduous, Tropical thorn, Montane and Littoral/ Swamp



forests.

Chapter-5

**Natural Vegetation** 

History



Study history, study history. In history lies all the secrets of statecraft.

### History

- 1. Complete 60% project work as per directions given in class
- 2. Label the places given in class on the respective maps of different regions and countries
- 3. Notebook work should be completed in all aspects
- 4. Learn and revise for your selection test.

### Computer Science



Part of the inhumanity of the computer is that, once it is competently programmed and working smoothly, it is completely honest.

Isaac Asimov

### Computer Science

#### 1.Make a presentation as directed below:

a. Big Data Roll No 1-5

b. Artificial Intelligence Roll No 6-10

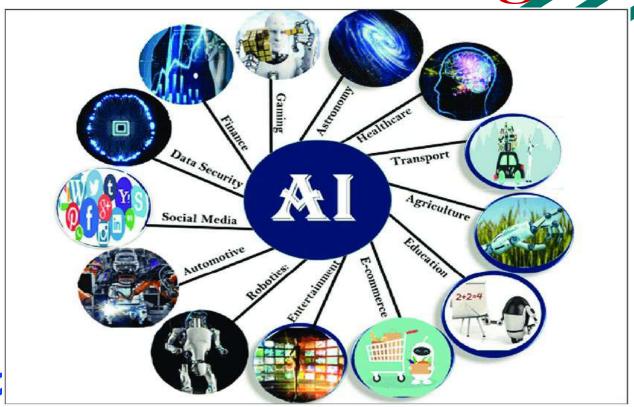
c. Internet of Things Roll No 11-15

d. Cloud Computing Roll No 16-20

e. Grid Computing Roll No 21 and above

- 2. Write complete Specifications of your laptop/Desktop (i.e. RAM, HDD, microprocessor, clock speed, SSD or HDD, graphic card, operating system etc.).
- 3. From your day to day life working, identify areas that can be automated or for which a mobile app can be developed. Write complete report on it. Your report should contain introduction, description of process, focussed areas (community for which this is helpful).
- 4. Games are fun .Games like tic tac toe, Sudoku, Rubik's Cube , Mastermind (<a href="http://codebreaker.creativitygames.net/">http://codebreaker.creativitygames.net/</a>) are good to enhance logic building skills .Play these games as an ice breaker from your monotonous work.

### Artificial Intelligence



### Artificial Intelligence

#### Al and Sustainable Development Goals

#### 1. Introduction

- Overview of Sustainable Development Goals (SDGs): Briefly introduce the 17 SDGs established by the United Nations.
- Role of AI in Achieving SDGs: Explain how AI can contribute to these goals.

#### II. Assignments

- 1. Research Assignment
  - Choose an SDG: Select one of the 17 SDGs (e.g., No Poverty, Quality Education, Clean Water and Sanitation).
  - Al Applications: Research how Al is currently being used to support this goal.
  - Write a Report: Summarize your findings in a 1-2 page report.
- 2. Case Study Analysis
  - Select a Case Study: Find a real-world example of AI technology being used to address an SDG.
  - Analysis: Discuss the impact, challenges, and outcomes of the application.
  - Presentation: Prepare a 5-minute presentation to share your findings with classmates.

### Artificial Intelligence

#### 3. Creative Project

- Design an Al Solution: Create a proposal for an Al-based solution to tackle a specific issue related to your chosen SDG.
- Elements to Include:
  - Problem Statement
  - Proposed Al Solution
  - Expected Impact
  - Format: This can be a poster, a PowerPoint presentation, or a digital infographic.

#### 4. Reflection Journal

- Weekly Reflection: Keep a journal throughout the summer documenting your thoughts on Al and SDGs.
- Prompts to Consider:
- What did you learn about Al's role in sustainability?
- How do you see the future of AI and SDGs evolving?

#### III. Conclusion

•Summarize Your Learning: Reflect on how AI can help achieve a sustainable future.

#### IV. References

List of Resources: Include books, articles, and websites you used for your research.

# Physical Education



"You don't stop playing because you grow old; you grow old because you stop playing!!!"

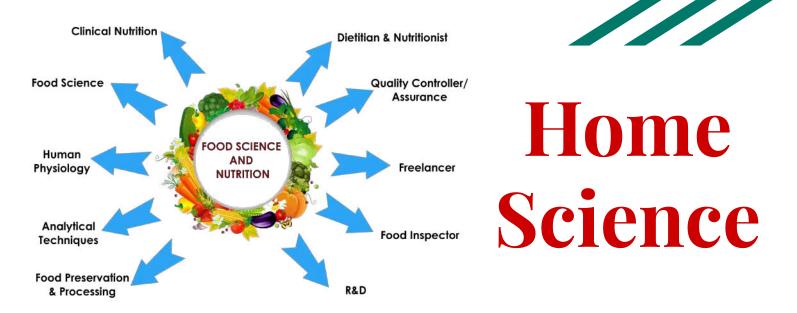
# Physical Education

#### **PRACTICAL FILE**

- PRACTICAL 1: Fitness Test Administration (SAI Khelo India Test)
   For reference: <a href="https://youtu.be/Be8h3ASTDw0?si=q6LtYRjB7Hf-MkFe">https://youtu.be/Be8h3ASTDw0?si=q6LtYRjB7Hf-MkFe</a>
   <a href="https://youtu.be/itUWOjOI2Rc?si=WFqPubewQsOIM3mq">https://youtu.be/itUWOjOI2Rc?si=WFqPubewQsOIM3mq</a>
- PRACTICAL 2: Procedure for Asanas, Benefits and Contraindications for any two asanas for each lifestyle diseases. (Stick diagram to be made)

#### **CLASS NOTEBOOK**

• WORKSHEET: Perform two asanas of each lifestyle disease and paste your picture doing the asanas.



"My interest in the sciences started with mathematics in the very beginning, and later with chemistry in early high school and the proverbial home chemistry set."

### Home Science

- Record your own diet for a day and evaluate this meal in terms of inclusion of the five food groups.
- 2. To analyse the information given on
  - a. Food products
  - b.Medicine/cosmetics
  - c. consumer durables
  - d. Fabric and apparel
- 3. Make a PPT containing 10 healthy snacks with ingredients, method and picture. Also evaluate the ingredients based on food groups.
- 4. Do given assignment posted on google classroom.



"शब्द ही जीवन को ,अर्थ दे जाते है, और, शब्द ही जीवन में,अनर्थ कर जाते है."



- 1. पढाया गया पाठ्यक्रम कंठस्थ करें तथा लिखकर अभ्यास करें।
- 2.किसी एक विषय पर परियोजना कार्य तैयार करें: (क) हिंदी साहित्य में देश प्रेम, (ख) हिंदी कविता में प्रकृति चित्रण, (ग) कलम कासिपाही:प्रेमचंद (घ) हमारी लोक कलाएं और हस्ता कला
  - 3. प्रतिदिन हिंदी समाचार पत्र पढे तथा उपयोगी एवं सामयिक लेखों का संकलन करें।
  - 4. पढाए गए पाठ्यक्रम से शब्दकोश को कंठस्थ करें।



1.कला समेकित कार्य : भारतीय गायिकाओं...... के आधार पर लता के शास्त्रीय गीत (फिल्मी) परअंत्याक्षरी तैयार करें।

2.एक भारत श्रेष्ठ भारत केअंतर्गत उत्तर प्रदेश, मेघालय और अरूणाचल प्रदेश की लोक कलाओं और हस्तकलाओं का संकलन करें।

# Hindustani



"When words leave off, Music begins."

# Hindustani Vocal

- 1. Find out the khyal/Dhrupad vocalist (singer) of present era and write an essay in 200 words on his/her singing style and contribution to indian music.
- 2. Answer the questions given in the questionnaire topicwise. (questionnaire will be shared in the official class whatsapp group )



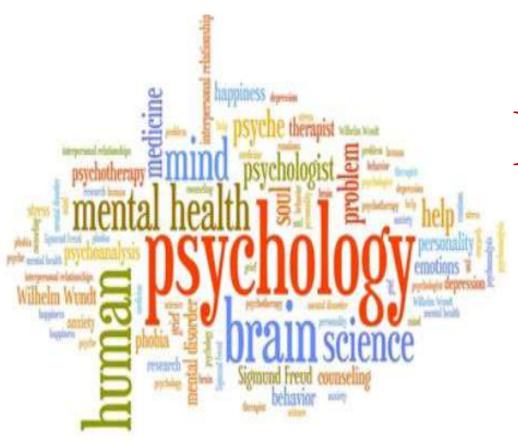
# Marketing (812)

### Marketing

Developing case studies of Growth of companies like Patanjali, Adani etc. Role of macro environmental factor in their growth.

Listing of micro and macro environmental factor Affecting business. Role of political and regulatory environment

Visit in group to different marketing organisations in nearby localities and making a report to find marketing activities performed by the wholesaler, producers retailers and distributors etc. (Do any one)



# Psychology

"Between stimulus and response, there is a space. In that space is our power to choose our response. In our response lies our growth and our freedom." - Victor Frankl

# Psychology

### **Understanding Psychology**

**Chapter:** What is Psychology?

**Activity:** Personal Reflection Journal

**Task:** Make a daily dairy in which you note down your thoughts, emotions, and behaviors. Reflect on why you might be feeling or behaving in certain ways.

Objective: Understand the scope of psychology and how it applies to everyday life.

Questions for Reflection

- 1. How do your feelings influence your behavior?
- 2.Can you identify any patterns in your thoughts and actions?

# **Psychology**

### **Methods of Enquiry in Psychology**

Chapter: Methods of Enquiry in Psychology

**Activity:** Conduct a Simple Survey

**Task:** Create a short survey on a topic of interest (e.g., study habits, stress levels). Administer

it to at least 10 people and analyze the results.

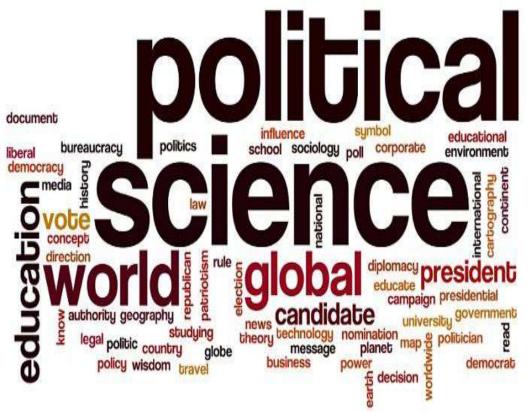
**Objective:** Learn about survey methods and basic data analysis.

**Questions for Reflection** 

- 1. What were the common trends in your data?
- 2. How reliable do you think your survey is?

### Psychology Assignment

- 1. Define psychology.
- 2. Differentiate between structuralism and functionalism in psychology.
- 3. Being a psychologist how would you define experiences in psychology?
- 4. Explain the linkage of economics, political science, and sociology with psychology.
- 5. Define behaviorism and discuss its key concepts.
- 6. Explain the role of cognitive processes in understanding behavior.
- 7. What do you mean by objectivity?
- 8. Discuss the various aspects of the observation method.
- 9. What are the goals of scientific enquiry?
- 10. Describe the various steps involved in conducting scientific enquiry.



### Political Science

The method of political science is the interpretation of life; its instrument is insight, a nice understanding of subtle, unformulated conditions.

**Woodrow Wilson** 

### **READING HOMEWORK**

SECTION A: PRE-READING HOMEWORK

### **WRITTEN HOMEWORK**

SECTION B: CHAPTER WISE CREATIVE ASSIGNMENT

SECTION C: RESEARCH BASED HOMEWORK

SECTION D: PROJECT WORK

### **Material Required:**

A) NCERT textbook

C) Scrap book

E) File

B) Assignment notebook

D) Coloured A4 size sheets

### Instructions/Guidelines For Reading Homework

### **SECTION A: Pre-reading homework**

- 1. Do reading of starting three chapters of both the books.
- 2. Make crisp notes of the above mentioned chapters in your political science notebooks

#### **Instructions/Guidelines For Written Homework**

### **SECTION B: Chapter wise creative assignment**

Make a separate file and do any two of the following:

- 1. Create a Constitution for Your Classroom or Family
  - Draft a mini-constitution with rules, rights, duties, and decision-making procedures.
  - Include a Preamble, Fundamental Rights, and Responsibilities
- 2. A Day in the Life of a Parliamentarian

Write a diary entry or short story from the perspective of an MP or MLA attending a session

- 3. Fundamental Rights in Real Life
  - Find real-life examples from newspapers or the internet where Fundamental Rights were upheld or violated.

- Explain what happened and what right was involved.
- 4. Collect cartoons and headlines everyday related to important national and international news. Make a date wise scrapbook and write in brief the issue being highlighted

#### **SECTION C:** Research based homework.

Make a Powerpoint presentation on any one topic:

(Submit the hardcopy in school)

- 1. Do a comparative study of Constitution of different countries. Mention some provisions that are different from India and suggest changes that you feel our constitution needs.
- 2. Make a report on debates of first session of the constituent assembly of india from 17th November to 27th November 1947. Choose any one day. (Source: Parliament digital library)

### **SECTION D: Project Work**

Make a project on any two of the topics:

- 1. Electoral reforms in Indian Politics.
- 1. Judiciary Overreach
- 2. Liberty vs. Freedom
- 3. Multiculturalism
- 4. Human rights (include case studies on infringement of human rights)

\*use case studies along with pictures to support your topics.

### **PAINTING**

Theory: Write in your notebook about 1. Roaring animal 2. Wizard Dance.

Write about "Art of Indus Valley" having topics Dancing girl, Male Torso, Mother Goddess and Unicorn Bull.

Practical Work: 6 object drawing, 5 landscape and 2 folk art (warli/Mandala/ madhubani) on half imperial Cartridge sheet

or ivory sheet( which was provided on practical day)

### **General Instructions to prepare the project:**

- 1. The project should be simple, brief and easy.
- 2. It should be handwritten. The cover page should be neat and simple in presentation.
- 3. More credit will be given to original drawings, illustrations, mind maps and articles from magazines and newspapers .
- 4. While choosing the topic, the student should keep in mind that he can be questioned on what, when how etc. of the topic during viva.
- 5. The PROJECT will be evaluated for 20 marks and the marking will be done as per the CBSE guidelines.

https://docs.google.com/document/d/1WjkPP48xBGN19iBHR\_h63quby3Om1\_Tk QOdowdza-JU/edit?usp=sharing

Click on above link for guidelines