

SOUTH POINT WORLD SCHOOL
HOLIDAYS' HOMEWORK
Class XII Science
English Core

General instructions:

Presentation, Creativity, Neatness, Errorless work and Timely submission are very important points to be taken care of while doing the Summer Break Assignment

Section- A (Reading Skill)

(Let us Read, Comprehend and Answer) (Do any five)

1. Select the Articles/ write ups on- "Science", "Cleanliness", "Sports", "Food Habits" " Ill Effects of smoking", "Politics" , "Obesity", " Women Empowerment", " Education" each containing 250- 300 words from the English Newspaper. Cut the Articles and paste them in your notebook. Frame 8 questions on each of them and write the answers also.

Section – B
(Creative Writing Skills)

(Let's Compose)

2. Write any four notices.

3. Write Articles on:-

i. Women Empowerment.

ii. "Discipline" its use and misuse.

iii. Technology.

iv. Environment and Sustainability

v. Education and Career

vi. Personal Development and Self Importance

Note: Writing section is to be done in English fair notebook.

Section- C (Literature)

(Let's check Literary Flavour) Flamingo- Revise the following chapters thoroughly.

Ch 1- The Last Lesson

Ch 2- Lost Spring

Poem-1 My mother at Sixty Six

Vistas- Ch-1 The Third Level

Read the following chapters and try to do its exercises

Flamingo-Ch-3 Deep Water

Vistas –Ch-2 The Tiger King

Creativity- At a Glance

(Let's Design)

1. Design a first day cover.

2. Design an Invitation Card for "Annual Day Celebration "and for "Teachers Day Celebration." on A-4 Sheet

(Art Integrated Project) (Do any one)

1. The Last Lesson told us about the importance of one's native language, the importance of a teacher and education. Make a PPT (5-6 Slides)/Project on the native language of Manipur (the language which is spoken in Manipur) and Haryana. PPT/Project should also include the origin of their language, similarities/ differences

2. Write about any famous academician of Manipur/Haryana. Paste their photographs on A4 size sheet .Write about their birth, education and special achievements.

PHYSICAL EDUCATION

1. Learn Lesson 1 Management of Sporting Events and Lesson 2 Children & Women in Sports and write MCQs in fair notebook (20 each)
2. Read Lesson 3 Yoga As Preventive Measure For Lifestyle Disease and Lesson 4 Physical Education and Sports For CWSN (Children with Special Needs – Divyang.
3. **Art Integrated Project:** Compare the sports personality of Haryana and Manipur with their achievement

Note: For project use A4 size sheets.

INFORMATICS PRACTICE

1. Write these Programs on A4 Sheet and make Assignment.

- i) Write a Python Program to create a Series using list with defined index values.
- ii) Write a program to create a Series using list with defined index values and slicing data.
- iii) Write a program to create a Series using list with defined index values with loc and iloc .
- iv) Write a program to create a Series using Dictionary.
- v) Write a program to create a Series through mathematical expression.
- vi) Write a program to create a series using head () and tail () functions.
- vii) Write a pandas program to create a Data Frame from a sample data
sample data : {'x':[10,20,30,40,45,78], 'y':[23,34,45,56,78,98]}
- viii) Write a program to create a DataFrame using list with defined index values with loc and iloc
- ix) How to rename DataFrame columns name in pandas?
- x) How to select multiple columns in a pandas DataFrame?
- xi) Create an empty DataFrame with Data index.

2. ART INTEGRATED ACTIVITY:- Find out information about programmer 'Sushma Oinam' of Manipur state and 'Rohit Kumar' of Haryana state and write about them on A4 sheet. Paste their picture also.

3. Make a Chart on the given below topic :

Cyber Crime and common Cyber Crime

4. Revise Python Pandas Ch-1 Python Pandas-I and Ch- 2 Python Pandas-II

MATHEMATICS

1. Do the following chapters from Exemplar Problems in fair notebook :

- i) Chapter 1(Relations and functions),
- ii) Chapter 2(Inverse Trigonometric functions),
- iii) Chapter 3(Matrices)
- iv) Chapter -4(Determinants)

2. Do the following activities in Lab manual:

- Activity 1(Page no.1)
- Activity 8(Page no.24)
- Activity 10(Page no.30)
- Activity 18(Page no.53)

3. Make any one working /non working model from the following topics:

- i) Relations and functions
- ii) Inverse Trigonometric functions
- iii) Matrices
- iv) Determinants

4. Do the assignment which will provide during vacations through School App.

5. **Art Integrated Project:** Make project on any two Mathematician of Manipur state vs. Haryana state.

BIOLOGY

1) Do practice of 10 questions of blood group, monohybrid and dihybrid cross.

2) Make the biology **investigatory project** on the already assigned topic and submit it after the summer break.

3) Written work of practical files to be completed.

4) **Do the Assignment in your Fair Notebook which will be uploaded on School App.**

5) **Art Integrated Project:**-Make PPT/ Projecton collection of biodiversity and climate of state Manipur and compare it with Haryana.

PHYSICS

1. Learn and Write NCERT Exercise of Unit-1 (Electrostatics) and Unit-2 (Current electricity) in your fair notebook.
2. Do 50 numericals from unit-1 (Electrostatics) and 50 numericals from Unit-2 (Current electricity) in your fair notebook.
3. Write 3 activities each from Section -A and Section B of your practical file.
4. Write the following experiment in your practical file:
 - i) To find unknown resistance using metre bridge
 - ii) Metre bridge series law
5. **Art Integrated Project** :Make PPT/ Projecton Boris Wareppan(Scientist of Manipur) and Sanjaypuri(Scientist of Haryana).

CHEMISTRY

1. Learn and Write Intext and NCERT Questions answers of **Unit-1 (Solutions) ,Unit- 10(Biomolecules), Unit-3 (Chemical Kinetics)** in your fair notebook.
2. Make a **project report** of Chemistry from your syllabus. This is compulsory for all students.
3. Learn and Solve the **Assigenment** which will be uploaded on School app.
4. Complete your practical file work.
5. **Make an Art Integrated Project** on Dr. Nagarajan(Master in Chemistry) and Dr. JitenderNathVerma. Either make PPT or Project .