

The Jain World School, Mawar, Mati.

SUMMER HOLIDAY HOMEWORK ASSIGNMENT CLASS:- XI A

Sunshine on my mind,
summertime in my soul.”



Dear Parents! Greetings!

Summer vacation is probably the best time of the year for the little ones, It's time for loads of fun for them, we have planned out some simple & interesting activities for our students & they are in amalgamation of simple yet thoughtfully planned activities which promote critical skills amongst young learner . It's an art integrated protect based on scholastic & co-scholastic activities targeting competency based learning.

Please note:- The Term-I Assessment from the holiday homework . Students are to complete the activities & submit to their class teacher/subject teachers by the given dates:-

S.No	Subject	Date
1	English/ Maths	08.07.24
2	Hindi/Physical Education	09.07.24
3	Computer/Physics	10.07.24
4	Chemistry / Biology	11.07.24
5	Work Experience	12.07.24



*All the activities & the use of internet for doing the activities to be done strictly under the supervision of parents.

*Practice sheets will be uploaded in the class groups and school website www.tjws.in

*The home assignment is of 10 marks failing to submit n the given date will result in Absent marking in the records & no marks will be given.



Dear Parents,

IN ADDITION TO THE HOLIDAYS HOMEWORK ACTIVITIES, WE WOULD ALSO SUGGEST THE FOLLOWING ACTIVITIES FOR STUDENTS:- THE STUDENTS TO PRACTICE WRITING ONE PAGE OF ENGLISH & HINDI IN A SEPARATE NOTEBOOK ON AN ALTERNATE BASIS DURING THE HOLIDAYS & THE SAME HAS TO BE BROUGHT TO SCHOOL ON REOPENING. THE STUDENTS TO BE GUIDED TO READ SIMPLE STORY BOOKS WITH SHORT SENTENCES & BOLD ILLUSTRATIONS . PARENTS CAN ALSO LOG INTO STORY WEAVER [HTTPS://STORYWEAVER.ORG.IN/](https://storyweaver.org.in/) . THE APP HAS SHORT INTERESTING & AGE APPROPRIATE STORIES FOR ALL THE AGE GROUP & IN ALL LANGUAGES. THE STUDENTS TO ALSO FOLLOW A DAILY ROUTINE OF EXERCISES AT HOME TO KEEP THEMSELVES FIT & STRONG

YOUTUBE LINK FOR REFERENCE -: <https://youtu.be/fb5-7+lix-1>

HINDI LANGUAGE & LITERATURE

ग्रीष्मकालीन गृह कार्य

कक्षा -11

सामान्य निर्देश - स्वच्छता का विशेष ध्यान रखें निम्नलिखित
मुख्य बिंदुओं को ध्यान में रखते हुए दिए गए विषय पर परियोजना कार्य पूरा
करें

- प्रमाण पत्र, आभार ज्ञापन* विषय सूची, उद्देश्य* समस्या का बयान,
परिकल्पना, प्रस्तुतीकरण * साक्ष्य संग्रह, अध्यापक टिप्पणी
- भारतीय गायिकाओं में बेजोड़ लता मंगेशकर पाठ के आधार पर संपूर्ण
जीवन परिचय साहित्यिक परिचय व विस्तृत जानकारी चित्रों सहित)

PHYSICS

CLASS-XI SUMMER BREAK ASSIGNMENT OF PHYSICS(2024-25)

Dear parents,

Summer break is round the corner. And Vacations are the happiest time in students' lives. They relax and recoup to health and vitality. However, it is also time to do some fun –filled activities to make the vacations more rewarding.

Thus, here are some exercises to extend the in-school opportunities to learn:

SCIENTIFIC INVESTIGATION

- 1) To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.
- 2) To measure diameter of a given wire and thickness of a given sheet using screw gauge
- 3) To determine volume of an irregular lamina using screw gauge.
- 4) To find the weight of a given body using parallelogram law of vectors.

Note: These experiments need to be written in Physics lab manual or Physics Practical notebook.

PROBLEM SOLVING

Solve the worksheet given on the topic “Units & measurement” and “Motion in a straight line”

CHEMISTRY

1. Periodic table (journey of modern periodic table/mandeleev periodic table)

students who belongs to alphabets from – (Q-S)

2. Matter (laws of chemical combination)

students who belongs to alphabets from(T-W)

3. Structure of atom

Thomsons model (students who belongs to alphabets from – (X-Z)

Rutherford's model (students who belongs to alphabets from – (L-P)

Bohr's model(students who belongs to alphabets from – (F-K)

Quantum numbers(students who belongs to alphabets from – (A-E)

NOTE:- all the above given project should be working model/chart paper/3D model for **science exhibition**)

Scientific investigations involving laboratory testing and collecting information from other sources. A few suggested Projects

- Checking the bacterial contamination in drinking water by testing sulphide ion.

(name of the students who belongs to alphabets from- A-C)

- Study of the methods of purification of water(D-G)

- Testing the hardness, presence of Iron, Fluoride, Chloride, etc., depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any)(H-K)

Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium carbonate on it(**L-O**)

- Study the acidity of different samples of tea leaves.(**P-R**)
- Determination of the rate of evaporation of different liquids Study the effect of acids and bases on the tensile strength of fibers.(**S-V**)
- Study of acidity of fruit and vegetable juices.(**W-Z**)

Front page

Certificate

Acknowledgement

Aim

Index

Requirements

Theory

Procedure

Observation Table

Result

Bibliography

Thank You page with Science Quote

BIOLOGY

SCIENTIFIC INVESTIGATION

- 1) Study and describe locally available common flowering plants, from family Solanaceae
- 2) To prepare temporary stained mounts of T.S. of dicot stem , monocot stem and dicot root, monocot root.
- 3) To study osmosis by potato osmometer.
- 4) To study the distribution of stomata on upper and lower surface of leaves and calculate the stomatal index.

PROBLEM SOLVING

Solve the worksheet given on the topic "Morphology of flowering plants "

MATHEMATICS

1) PROJECT WORK:

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 1 of the lab manual]

Activity-2: To represent set theoretic operations using Venn diagrams. [Activity 3 of the lab manual]

Activity-3: To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean. [Activity 18 of the lab manual]

“ All the project work is to be done in a classmate practical copy”

“ All the students have to write the above three mentioned activities from the NCERT lab manual whose link is provided below”

Link for Activity 1 and 2- <https://drive.google.com/file/d/1T4koQYE6uFY-8r28dFMwRzvTbIOjoYGp/view?usp=sharing>

Link for Activity 3 https://drive.google.com/file/d/1gHygvxCp4f_QqUmdV0sCbkqb4WI-_aYN/view?usp=sharing

“ Students have to leave the observation column empty and it would be filled by the students when students will perform the activity in school”

2) WORKSHEET

Complete the following worksheet in your homework copy(Access the worksheet by the given link-

WORKSHEET 1 LINK : https://drive.google.com/file/d/1PFOAj_lb69hmoH1rlxILewzN2eeNhBVT/view?usp=sharing

WORKSHEET 2 LINK : https://drive.google.com/file/d/1RKNBPNFmbtSQDOZQESxqFBo7enFGezkL/view?usp=drive_link

COMPUTER SCIENCE

COMPUTER SCIENCE(TECHNOLOGY,DIGITAL LITERACY AND EXPERIENTIAL LEARNING):-

Task A:-

Do the Project Work (File).

Important Note:-On the above information submit file with acknowledgement , certificate , bibliography , etc. File should be designed carefully as per **CBSE guidelines minimum 20 program are required.**

Task B:-

Note:-Do Holiday Homework in your computer notebook

Q 1 Explain any five characteristics of Python Language.

Q 2 What do you mean by Token? Explain.

Q 3 Explain various operators in Python using examples.

Q 4 Explain precedence and associativity of various operators in Python.

Q 5 Differentiate between assignment operator and equal to operator.

Q 7 What do you mean by literal in Python? Explain.

Q 8 Evaluate following expressions

1. $100^{**}3$
2. $100/3$
3. $100\%3$
4. $100//3$
5. "100+3"
6. "100"*3
7. $100+(5^{**}3-7)/4$
8. $100+(56\%10)//3-6$
9. $100\%6^{**}3//8+10$
10. $10>20$
11. $10==10$
12. $20<=30$
13. $40!=40$
14. $(10>20)$ and $(20>=10)$
15. $(10!=9)$ or $(10==10)$

Task C :-

Note :-Make a 3 D model based on various topic like :-

Artificial Intelligence, Chat GPT, 5G Technology, Computer System 3 D model, Various Topologies like : **Ring,Star,Bus ,Mesh** etc., Various types of Input devices, Various types of Output Devices, Cloud Computing etc.

ENGLISH LANGUAGE & LITERATURE

NOTE: Do the given homework in a separate notebook.

1. Read the following passage carefully and answer the questions that follow.

Read the passage and on the basis of your understanding of the passage answer the questions given below:

Philosophy of Education is a label applied to the study of the purpose, process, nature and ideals of education. It can be considered a branch of both philosophy and education. Education can be defined as the teaching and learning of specific skills, and the imparting of knowledge, judgement and wisdom, and is something broader than the societal institution of education we often speak of.

Many educationalists consider it a vague and woolly field, too far removed from the practical applications of the real world to be useful. But philosophers dating back to Plato and the Ancient Greeks have given the area much thought and emphasis, and there is little doubt that their work has helped shape the practice of education over the millennia.

Plato is the earliest important educational thinker, and education is an essential element in "The Republic" (his most important work on philosophy and political theory, written around 360 B.C). In it, he advocates some rather extreme methods: removing children from their mothers' care and raising them as wards of the state, and differentiating children suitable to the various castes, the highest receiving the most education, so that they could act as guardians of the city and care for the less able. He believed that education should be holistic, including facts, skills, physical discipline, music and art. Plato believed that talent and intelligence is not disturbed genetically and thus is found in children born to all classes, although his proposed system of selective public education for an educated minority of the population does not really follow a democratic model.

Aristotle considered human nature, habit and reason to be equally important forces to be cultivated in education, the ultimate aim of which should be to produce good and virtuous citizens. He proposed that teachers lead their students systematically, and that repetition be used as a key tool to develop good habits, unlike Socrates' emphasis on questioning his listeners to bring out their own ideas. He emphasised the practical aspects of subjects taught, among which he explicitly mentions reading, writing, mathematics, music, physical education, literature, history, and a wide range of sciences, as well as play, which he also considered important.

During the Medieval period, the idea of Perennialism was first formulated by St. Thomas Aquinas in his artwork "De Magistro". Perennialism holds that one should teach those things deemed to be of everlasting importance to all people everywhere, namely principles and reasoning, not just facts (which are apt to change over time), and that one should teach about people, not machines or techniques. It was originally religious in nature, and it was only much later that a theory of secular perennialism developed.

During the Renaissance, the French skeptic Michel de Montaigne (1533-1592) was one of the first to critically look at education. Unusually for his first time, Montaigne was willing to question the conventional wisdom of the period, calling into question the whole edifice of the educational system, and the implicit assumption that university-educated philosophers were necessarily wiser than uneducated farm workers.

Q1) What is the difference between the approaches of Socrates and Aristotle?

- a) Aristotle felt the need for rote-learning : Socrates emphasised on dialogic learning.
- b) There was no difference
- c) Aristotle emphasised on the importance of paying attention to human nature; Socrates emphasised upon science.
- d) Aristotle felt the need for repetition to develop good habits in students; Socrates felt the need to be constantly questioned.

Q2) Why do educationists consider philosophy a 'weak and woolly' field?

- a) It is not practically applicable.
- b) Its theoretical concepts are easily understood.
- c) Its is irrelevant for education .
- d) None of the above

Q3) The term 'Perennialism', in the context of the given comprehension passage refers to something _____.

- a) Which is quite unnecessary .
- b) Which is of ceaseless importance
- c) Which is abstract and theoretical
- d) Which is existed in the past and no longer exists now.

Q4) Were Plato's beliefs about education democratic?

- a) He believed that only the rich have the right
- b) He believed people are democratic
- c) He believed that only a select few are meant to attend schools
- d) He believed that all pupils are not talented.

5) Why did Aquinas propose a model of education which did not lay much emphasis on facts?

- a) Facts are not important.
- b) Facts do not lead to holistic education
- c) Facts change with the changing times
- d) Facts are frozen in time.

6) During which period was the education system focused on Religious nature?

- a) Ancient period
- b) Medieval period
- c) Modern times
- d) None of the above

7) During which period there was a shift from conventional education system?

- a) Aristotle period
- b) 360 B.C
- c) 1533-1592
- d) Medieval period

8) Which philosopher had felt that a blend of the theory and practical could be a better education for mankind?

- a) Plato
- b) Aristotle
- c) De Magistro
- d) Michel de Montaigne

9) Which word in the passage has the same meaning as 'doom'?

a) . judgement

b) knowledge

c) wisdom

d) Institution

10) Which word in the passage is antonym of 'illiteracy'?

a) education

b)philosophy

c) purpose

d) skills

WRITING SECTION

1 . Classified Advertisement

I ..You are Vikram/Sonia, an Hon's graduate in history with specialization in Medieval India. You are well acquainted with places of historical interest in Delhi, Agra and Jaipur. You are looking for the job of tourist guide. Write an advertisement in about 50 words for the situations wanted column of a local newspaper. Your contact no. 999751234.

II .. You are Sameera/Sameer the owner of Pink Power, a café run only by women. You are looking for an interior designer to design the interiors of the café. Draft a suitable advertisement for the same, in about 50 words to be published in the classified columns of the National Daily, the local newspaper.

LITERATURE SECTION

Extract based questions

A Read the given extract and answer the questions that follow:

My grandmother, like everybody's grandmother, was an old woman. She had been old and wrinkled for the twenty years that I had known her. People said that she had once been young and pretty and had even had a husband, but that was hard to believe. My grandfather's portrait hung above the mantelpiece in the drawing room. He wore a big turban and loose-fitting clothes. His long, white beard covered the best part of his chest and he looked at least a hundred years old.

1. Name the chapter.

- A The Portrait of a Lady
- B Landscape of the Soul
- C Discovering Tut
- D We are not Afraid to Die if we can all be Together

2. Name the author.

- A Khushwant Singh
- B A.R. Williams
- C Marga Minco
- D Kalki

3. What literary device is employed in "Like everyone's grandmother"?

- A Metaphor
- B Simile
- C Transferred Epithet
- D Enjambment

4. Find out the synonym of 'Pretty' from the following?

- A Beautiful
- B Ugly
- C Unattractive
- D None of these

REVISE ALL CHAPTERS OF UT 1

LANGUAGE- COMPREHENSION, ADVERTISEMENT, POSTER,DEBATE, SPEECH

LIT- HORNBILL: WE'RE NOT AFRAID TO DIE...IF WE CAN ALL BE TOGETHER,DISCOVERING TUT THE SAGA CONTINUES,

POEM: THE LABURNUM TOP,

SNAPSHOTS: THE ADDRESS

PROJECT WORK

Make an ALS project Portfolio File including introductory page with all information, Index, Certificate and Acknowledgement. and a Report on research on the subject matter "NEW EDUCATION POLICY." AND "ENGLISH A GLOBAL LANGUAGE."

Compulsory pages

Front page

Index

Certificate

Acknowledgement

Tasks

New Education Policy (Research + interview= report)

English A Global language (Research+ interview=report)

Podcast- listen any interview of PM Modiji and write a report on it

Short summary of a play-Mother's Day and write critical appreciation

In a CD –Make a video, explaining the poem "A Photograph"

Photo+biography of khushwant Singh and short summary of The Portrait of a Lady

PROJECT WORK

Make an ALS project Portfolio File including introductory page with all information, Index, Certificate, and Acknowledgement.

Compulsory pages

FRONT PAGE

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CERTIFICATE

ACKNOWLEDGEMENT

TASKS

EVOLVING FOOD TASTE IN YOUR NEIGHBOURHOOD

RESEARCH+INTERVIEW=REPORT

CORONA PANDEMIC AND FALLOUT ON FAMILIES

RESEARCH+INTERVIEW=REPORT

PODCAST- LISTEN ANY INTERVIEW OF A CELEBRITY ANDWRITE A REPORT

SHORT SUMMARY OF ANY PLAY WITH CRITICAL APPRECIATION

IN A CD –MAKE A VIDEO EXPLAINING THE POEM “A THING OF BEAUTY”

SUSAN HILL-PHOTO+BIOGRAPHY

CHAPTER-“ON THE FACE OF IT”

SHORT SUMMARYAND CHARACTERSKETCH OF BOTH CHARACTERS

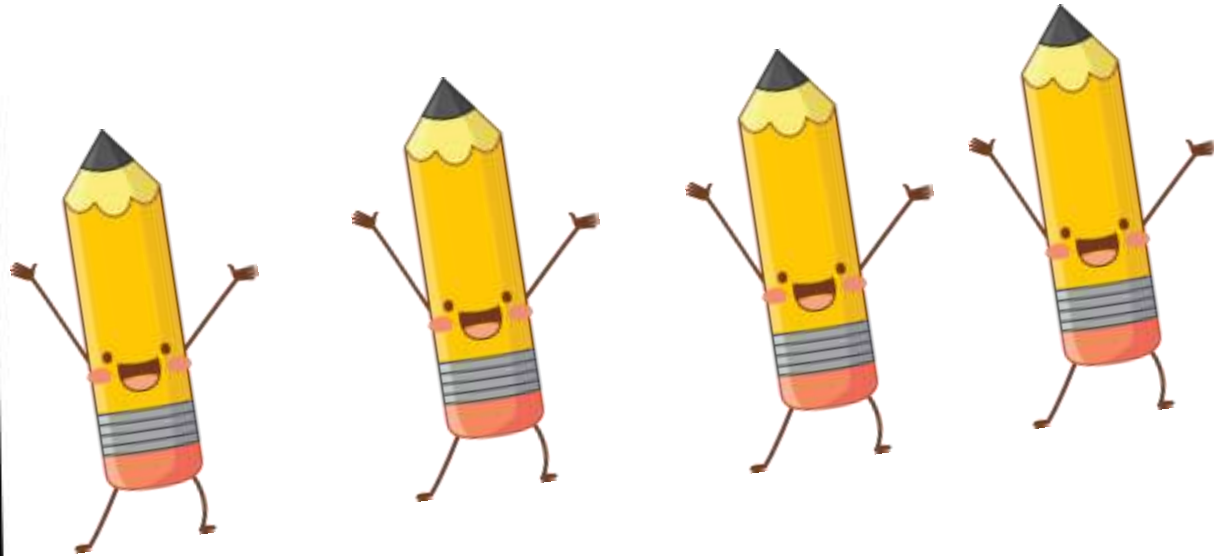
PHYSICAL EDUCATION

To make the Project file Related Games
(Cricket, Football, Basketball, Kabaddi,
Badminton, Kho-Kho) Minimum- 20 Pages
Find photos from magazine and newspaper
you can take help of Internet.
(Under Parental guidance)

WORK EXPERIENCE

PROJECT 1- Care for the homeless
Children

PROJECT 2- Environment conscious
citizens



ENJOY YOUR HOLIDAYS