

DAV PUBLIC SCHOOL, KAILASH HILLS

CLASS- X

SUMMER HOLIDAY HOME WORK ASSIGNMENT

SESSION:2024-2025

THEME:SDG 5- GENDER EQUALITY



"Success is not just about what you accomplish in your life; it's about what you inspire others to do. So, this holiday season, let your dedication to completing your homework inspire those around you to do the same."

"Summer Break Fitness Fun: Stay Active and Energized!"

- ★ **Daily Walks:** Aim for at least 30 minutes of walking each day. Explore your neighborhood or local parks for a change of scenery.
- ★ **Swimming:** Take advantage of the summer weather and go for a swim at your local pool or beach. Swimming is a great full-body workout.
- ★ **Outdoor Games:** Organize games like basketball, badminton, cricket and football with friends or family to stay active and have fun at the same time.
- ★ **Yoga or Stretching:** Incorporate some yoga or stretching into your daily routine to improve flexibility and reduce stress.
- ★ **Dance Sessions:** Put on your favorite music and dance around your room or have a dance party with friends. It's a fun way to burn calories and stay active.
- ★ **Gardening:** Get your hands dirty by tending to a garden. Digging, planting, and weeding are all great forms of physical activity.
- ★ **Stay Hydrated:** Remember to drink plenty of water, especially when being active outdoors in the summer heat.

Reading Activity

- ★ "The Story of Everything" by Neal Layton: A beautifully illustrated book that takes young readers on an exciting journey through the history of the universe, from the Big Bang to the present day.
- ★ "DK Find Out! Series": This series covers a wide range of topics, including animals, history, science, and space, with colorful illustrations and concise, easy-to-understand information.
- ★ "Guinness World Records: Gamer's Edition": Perfect for young gamers, this book showcases the latest world records in the world of video games, along with interesting facts and trivia.
- ★ "The Way Things Work Now" by David Macaulay: A comprehensive guide to the inner workings of machines and technology, presented in Macaulay's signature detailed illustrations and clear explanations.

SEWA ACTIVITIES:

SEWA is all about community service. It is through projects that are related to environmental and civic responsibilities, democracy, health and fitness etc. the learners are empowered to think creatively and critically, work collaboratively and communicate with the society and the peers to solve problems. Here are some examples of Sewa activities:

Collect Food

Contact your local food bank and they will provide you with the necessary information and materials to have a food drive. For example, the **Food Bank of Delaware** provides a food drive organization kit, most wanted food list, and more. Encourage people to donate their favorite food items. You can even offer prizes to individuals who donate the most!

2. Recycling Program

Starting a recycling program is a big task but a worthwhile one. Here's a **great guide** to get you started. When you recycle, those items can be turned into amazing things, like the **Green Guardian™ coat**, made from recycled PET plastic bottles.

3. Community Garden

A **community garden** is a great way to bond with your community and provide healthy food. You may be able to identify a sponsor to help get your garden started. Consider making a garden just for children, so they can learn about the process of gardening. It is a great educational opportunity.

4. Cleanup

A **community cleanup** will improve the look of your neighborhood or park and inspire people to keep the space looking great. Hosting a potluck after is a wonderful way to celebrate this community achievement!

INTERDISCIPLINARY PROJECTS

THEME SDG-5 GENDER EQUALITY



Vision impairment disproportionately affects women and girls. Preventing avoidable blindness and vision impairment has a crucial role to play in the reduction of gender inequalities and in the overall effort to achieve the SDGs.

Recent estimates indicate that 56% of blind adults are women, and two thirds of blind children are girls. Traditional gender roles such as cleaning and caring for the young, sick and elderly often place women in areas where they are more likely to be exposed to vision-impairing bacteria. Family responsibilities such as care giving and collecting water also present challenging barriers that prevent women from having the time to receive the eye health care they need.

The ripple effect stemming from proper eye health can also play a vital role in reducing gender inequalities. When women are empowered to make decisions regarding their own health, they have the ability to improve the overall health of their families and impact their entire communities.

Most of the community health workers trained by Operation Eyesight partner hospitals are women. When women are employed as community health workers, they have an opportunity to become trusted leaders in their communities and act as catalysts for positive health outcomes. This employment improves their ability to become active participants in their family's socioeconomic stability.

Objectives:-

To empower individuals to challenge stereotypes, embrace diversity, and promote equality in all aspects of their lives.

To provide equal opportunities for all individuals, regardless of their gender, to access and excel in education and the workplace.

GENERAL INSTRUCTIONS:

1. Do the subject specific homework separately as per directions.
2. Parents are requested to only guide their children while doing the assignment.
3. Originality of the work will be appreciated.

SUBJECT- ENGLISH

1. Write a letter from the perspective of Lencho to God after the events of the chapter. Include his feelings, thoughts and any changes in his beliefs or understanding.
2. Create a PPT (7 slides) on Nelson Mandela's life, highlighting key events, challenges and his role in shaping South Africa's history. Include images, videos, quotes and your own reflections on Mandela's legacy.
3. If you were to spend a day living as a creature in the natural world—a bird, a tree, a river or any other from sunrise to sunset, embodying the essence of your chosen being.
4. Make a poster portraying your thoughts and point of view on: ' Love for freedom is the natural instinct of every living being'
You may refer Leslie Norris's poem 'A Tiger in the Zoo'
5. Write a slogan on "Gender Equality".

Make a Project on "Breaking Barriers: The journey towards Gender Equality in Education ".

- * Conduct survey and interviews with friends, neighbours and parents to gather data on gender related barriers .
- * Review literature and case studies on gender inequality in education.
- * Collect statistical data on gender disparities in school enrollment, attendance and performance.
- * Develop educational materials/ posters/ brochures/presentations to raise awareness about gender equality.

रचनात्मक-लेखन

1. नवभारत हाउसिंग सोसायटी के सचिव की ओर से ग्रीष्म अवकाश में आयोजित बाल – महोत्सव की जानकारी देते हुए एक सूचना जारी कीजिए
2. अपने क्षेत्र के पार्क के उचित रख – रखाव की ओर ध्यान आकर्षित करते हुए दिल्ली नगर निगम के अध्यक्ष को एक अनुरोध पत्र लिखें |
3. निम्नलिखित विषयों पर अनुच्छेद लिखिए ---
क.योग भगाए रोग |
ख.डिजिटल दुनिया से दूरी बनाए – खुद को समय दें |

अंतर्विषय परियोजना कार्य

विषय ---- लैंगिक समानता

विद्यार्थी इस विषय पर अपने आस - पास के क्षेत्र का सर्वे करके लोगों से इस विषय पर जानकारी एकत्र करें एवं उस जानकारी पर आधारित कोई एक कहानी लिखें ।

लैंगिक समानता विषय पर नाटक अथवा संवाद वाचन के माध्यम से जन जागरूकता का प्रचार करते हुए एक डिजिटल परियोजना भी बना सकते हैं ।

इस विषय पर स्वरचित कविताएँ ,चित्र सहित स्लोगन आदि लिखकर सतत विकास लक्ष्य के इस विचार पर अपनी अभिव्यक्ति दें ।

सुखद ग्रीष्मावकाश

- अपनी दिनचर्या बनाइए और उसका पालन कीजिए ।
- प्रातः कालीन सैर और व्यायाम कीजिए ।
- प्रतिदिन हिंदी समाचार- पत्र पढ़िए और समाचार - पत्र में आए कोई तीन शब्दों को अर्थ सहित लिखकर शब्दकोश बनाए ।
- घर के सामान्य कार्यों में अपने माता - पिता को सहयोग दीजिए ।
- घर के बुजुर्गों के साथ आधा घंटा अवश्य बिताए ।

MATHEMATICS

*'No great achiever- even those who made it seem easy- ever succeeded without hard work'
Along with hard work one must relax, play, help elders and concentrate on hobbies also*

INTERDISCIPLINARY PROJECT:



Collect the maximum possible statistical data on any one of the following topics:

- Gender employment gap.
- Physical and sexual violence to women.
- Seats held by women in national parliament.

Collect pie charts, bar graphs and histograms as evidences and prepare posters on the topic.

Case Study .

To enhance the reading skills of grade X students, the school nominates you and two of your friends to set up a class library. There are two sections- section A and section B of grade X. There are 32 students in section A and 36 students in section B



- What is the minimum number of books you will acquire for the class library, so that they can be distributed equally among students of Section A or Section B?
- Express 32 and 36 as a product of primes.
- What is the LCM of 60, 84 and 108.

PHYSICS

HANDS ON EXPERIENTIAL LEARNING ACTIVITY:

Make the pencil resistor (Source: <http://www.arvindguptatoys.com/toys/resister.html>)

BIOLOGY

EXPERIENTIAL LEARNING ACTIVITY

Make a simple compost bin at home and prepare compost using kitchen waste. Encourage your friends, family members, relatives and neighbours for the same.

Write a 1- 2 page report on the steps taken by you while making compost yourself at home or in the neighbourhood. Also mention problems faced by you (if any) and solutions found to those problems. You may take pictures of your initiative and paste them.

Interdisciplinary Project Work on Gender Equality : Collect information on any five Indian women scientists and write their brief biography including their contribution in the field of STEM (science, technology, engineering & mathematics- Ex: space research/ astronomy, medicine, agriculture, Chemistry, physics etc.).

Note: One page for each scientist on A4 size pastel sheets.

SOCIAL SCIENCE

SDG 5

Interdisciplinary Project: Gender Equality

Achieve gender equality and empower all women and girls. Gender equality is not only a fundamental human right, but a necessary foundation for a peaceful, prosperous and sustainable world. There has been progress over the last decades, but the world is not on track to achieve gender equality by 2030.

OBJECTIVE:

- Women should have the same opportunity as men and be able to determine their own lives.
- To ensure that decision making at Private and public levels are no longer weighted in men's favours.
- To understand the urgent need of ending all forms of discrimination, violence and any harmful practices against women and girls.

1. Prepare a Project on “SDG 5” – GENDER EQUALITY on the following topics:

- Equality in Politics
- Find female mentor/leaders
- Ways to encourage gender equality in the classroom
- Causes of Gender inequality

2. Prepare a Power Point Presentation (PPT) on Gender Equality

Structure

- 1) Goals
- 2) Examples of G.E.
- 3) Why is G.E. important
- 4) Purpose and benefits of reaching goal G.E. for the human kind
- 5) Comparative study of different countries in achieving G.E.
- 6) What can we do to achieve gender equality

PROJECT WORK (CBSE)

Any one Project on the following topics:

Consumer awareness Or Social Issues Or Sustainable development

1. SUSTAINABLE DEVELOPMENT: CLASS X

ART INTEGRATION OR ART FORMS:

DELHI PAIRING WITH ANDAMAN & NICOBAR ISLANDS AND LAKSHADWEEP

A. RESEARCH WORK:

Environmental Pollution Caused by the industries is a major setback for Sustainable development. Students will be asked to collect the air quality data of Delhi and Compare with the Air quality index of Andaman & Nicobar Islands and Lakshdweep and try to find out the factors for Such a disparity in the quality of air in these two Union Territories. They should also check with the current status y development in these states.

B POSTER MAKING

Students will be asked to prepare a well designed and attractive Poster on A-3 size Sheet on the topic "Sustainable development" with a catchy Slogan and submit on the pallet.

CONSUMER AWARENESS : CLASS X

ART FORMS :

COLLAGE MAKING:

(A) Students will be asked to prepare a collage of Consumer Products with the Standardization on marks on them such as: ISI, FSSAI, "FPO, BIS Hallmark, AGMARK, The green and brown dot, India organic Certification, Eco mark etc.

(B) RESEARCH WORK: Due to some impediments such as illiteracy, ignorance, indifferent attitudes, lengthy legal procedure etc., the degree of consumer awareness is very low in India and Indian Consumer is a victim of exploitation in the form of Standard goods and Services, false guarantee exorbitant prices and fraudulent tactics.

Prepare a case study of Delhi and Jane Andaman & NicobarIsland and Lakshdweep to understand consumer awareness in these and to know about the attitudes in relation to branded goods. Lastly, write some suggestions in view of the problems faced by the consumers there. Case study will include-

- (a) Profile of the consumers-education occupation income etc.
- (b) Experiences of consumers regarding unfair trade practices.
- (c) Reactions of the Consumers
- (d) suggestions to avoid any type of Consumer's exploitation and Cheating through unfair practices.

B) POSTER MAKING:

On A-3 Size sheet, make a Poster on any one of the social issue prevalent in India with a catchy slogan to stimulate the interest in the topic and to sensitize People about the social problems.

Study through 'Monuments'

Dear Children, to understand the rich heritage of India, you need to visit the famous monuments of India and ensure to preserve those in today's competitive world to showcase them to the next generation as the contributions or achievements of our ancestors. A little effort from our side can create drastic changes that will make the present and the future generations of the country and the World Proud of India.

Answer the following questions.

Q1 Analyse some main threats to monuments and the human activities harming our historical monument?

Q. 2 Discuss some reasons for the destruction of monuments and their deterioration?



ARTIFICIAL INTELLIGENCE

Q.1 Activity 1: Complete an Online Course

Visit <https://code.org/> and complete the course related to AI.

Upload your certificates for completing the course using this link.

Open Jupyter notebook online and do the questions write down the code in practical notebook

Q.2 **Basic Bar Graph Creation**

- Create a bar graph that shows the average scores of students in different subjects. Use the following data:

Mathematics: 75

Science: 88

English: 65

History: 70

Geography: 80

- Label the x-axis as "Subjects" and the y-axis as "Average Score".
- Give your graph a title: "Average Scores in Class 10".

Q.3 Imagine two schools, School A and School B, have conducted a science quiz. Create a bar graph to compare the number of students who participated from each school in the last five years.

- Use this sample data:
- Year 2019: School A - 45, School B - 30
- Year 2020: School A - 50, School B - 35
- Year 2021: School A - 55, School B - 40
- Year 2022: School A - 60, School B - 45
- Year 2023: School A - 65, School B - 50
- Label the x-axis as "Year" and the y-axis as "Number of Participants".
- Add a legend to differentiate between School A and School B.

Q.4 Rock, Paper and Scissors <https://next.rockpaperscissors.ai/>

Go to the link and try to play the game of Rock, paper and scissors against an AI model. The challenge here is to win 20 games against AI before wins then against you.

1. Did you manage to win?
2. What was the strategy that you applied to win this game against the AI machine?
3. Was it different playing Rock paper and Scissor with an AI machine as compared to a human?
4. What approach was the machine following while playing against you?

Q.5 Provide students with a dataset containing two variables, such as age and height of students. Instruct them to create a scatter plot graph

III. Links for Homework Worksheets:-

SUBJECT	LINKS
ENGLISH	WORKSHEET-1 WORKSHEET-2 WORKSHEET-3
HINDI	https://docs.google.com/document/d/1qphapsRXFuWFmL0KaMfpHFTh_zfOxIZ/edit?usp=drivesdk&oid=106610229305895649526&rtpof=true&sd=true
MATHS	https://docs.google.com/document/d/1L2RpS8Krj3fADyAsJOJEXaGqBZ8FW7SM/edit?usp=sharing&oid=106915089851768752259&rtpof=true&sd=true
PHYSICS	https://docs.google.com/document/d/1uQzsAeuJkzpYTNqYMLm3Pf9gsbtSnB-U/edit?usp=drivesdk&oid=103380422692268971640&rtpof=true&sd=true
CHEMISTRY	https://drive.google.com/file/d/1HXcA6a-cCTNgL2tluW-fqwHzZk-5xXmf/view?usp=drive_link
SOCIAL SCIENCE	https://docs.google.com/document/d/15gW4FUKTnJWTsoygZRFpgQmWM3VjGu9g/edit?usp=drive_link&oid=113087113275192376643&rtpof=true&sd=true
BIOLOGY	https://docs.google.com/document/d/1Cs-XDwsNy9kHFFIbcuT4TliMm4pmrEzDI3iMeulAYD4/edit?usp=sharing
ARTIFICIAL INTELLIGENCE	https://docs.google.com/document/d/1fTLwZWSOOKWBPPR8dBPIXDRzI3VoIEWz/edit?usp=drive_link&oid=103380422692268971640&rtpof=true&sd=true

HAPPY HOLIDAYS

