



**SHAH INTERNATIONAL SCHOOL  
HOLIDAY HOME WORK (2024-25)  
CLASS VII**

**THEME: EVOLUTION OF TECHNOLOGY**

**Technology evolves incessantly, from humble beginnings to intricate marvels, reshaping our world and how we live. Yet, with each leap forward, we navigate new challenges and ethical dilemmas, underscoring the need for cautious progress.**

**GUIDELINES FOR HOLIDAY HOMEWORK**

- Holiday homework has to be done in a very neat and presentable manner.
- Roll No 1 to 20 will do English and Maths Holiday Home Work and Roll No 21 TO 40 will do Hindi and Sc/SST Holiday Home Work.
- Revise the work done in the month of April and May for all subjects.
- Holiday Homework should be submitted in a folder by 3rd July 2024 (Wednesday). It must be labelled properly with the name, class and roll number of the child

**English:**

1. Create **a timeline or storyboard on A4 size sheet** depicting key milestones in technology advancement, from ancient times to the present day. You can include inventions like the wheel, printing press, telephone, computer, and smartphone, along with brief descriptions of each and their impact on society.
2. Write **a letter on A4 size sheet** to your mother telling her the use and impact of technology during each era. For example, you can write about a character in ancient Egypt using simple tools like the lever and pulley to build the pyramids, or a teenager in the 1980s navigating the introduction of personal computers and early video games.

**Hindi:**

**Title: प्रौद्योगिकी का विकास और प्रभाव**

प्रस्तावना:

आधुनिक युग में प्रौद्योगिकी का विकास अत्यंत तेजी से हो रहा है और इसका मानव जीवन पर गहरा प्रभाव हो रहा है। प्रौद्योगिकी के विकास और इसके प्रभाव को ध्यान में रखते हुए निम्नलिखित बिंदुओं पर (4- 5 A -4 size शीट) एक परियोजना कार्य तैयार कीजिए।

1. प्रौद्योगिकी के विकास का इतिहास
2. प्रौद्योगिकी के विभिन्न क्षेत्र

### 3. प्रौद्योगिकी के प्रभाव

#### **Maths:**

##### **"Mathematical Mastery: Excel Exploration"**

Welcome to "Mathematical Mastery: Excel Exploration" – an exciting holiday homework assignment designed to ignite your passion for mathematics and computer applications. In this assignment, you will delve into the realm of Ms Excel, utilizing its powerful tools to analyze data and uncover mathematical insights. Get ready to embark on a journey where numbers come to life and equations unfold in mesmerizing patterns!

**Objective: To practice using Excel formulas for calculations and data management.**

**Data Collection:** Collect data from 10 students including their marks in 5 subjects i.e., English, Hindi, Maths, Social Science, Science. The maximum marks for each subject is 50

**Excel Spreadsheet:** Create an Excel spreadsheet with columns for student names, marks obtained in each subject, total marks, average marks, and percentage.

**Formulas Application:** Apply the following formulas in Excel:

**Total Marks:** Use the SUM function to calculate the total marks obtained by each student.

**Average Marks:** Use the AVERAGE function to find the average marks of each student.

**Percentage:** Calculate the percentage of marks obtained by each student using the formula:  $(\text{Marks Obtained} / \text{Maximum Marks}) * 100$ .

**Data Entry:** Enter the collected data into the Excel spreadsheet.

**Printout:** Take a printout of the Excel sheet and paste it neatly on an A3 size sheet.

#### **Science and Social Studies:**

**Project Title: "The Evolution of Technology through the Ages"**

##### **Tasks:**

###### **1. Research Phase:**

- Research the major technological advancements in different historical periods (e.g., Stone Age, Bronze Age, Industrial Revolution, and Information Age).

- Compile information on how these advancements changed human life, work, communication, and transportation will be done on A4 size sheets.

## **2. Timeline Creation:**

- Create a timeline showcasing the evolution of technology from ancient times to the modern era will be done on A3 size sheets.
- Include key inventions, their inventors, and the impact they had on society.

## **3. Visual Presentation:**

- Make a visually appealing presentation (can be a poster( A -4 size), PowerPoint (8-10 slides), or video (1-2 minutes) illustrating the evolution of technology.
- Use images, graphics, and short descriptions to explain each significant advancement.

## **4. Analysis and Reflection:**

- Write a short essay on an A 4 size sheet reflecting on the impact of technology on society and the environment.
- Discuss the benefits and drawbacks of technological advancements over time.

**# Compile your entire work in the form of a folder for submission.**

This holiday homework will not only enhance students' understanding of the evolution of technology but also foster research, critical thinking, and presentation skills.