ALLONS PUBLIC SCHOOL, BEMETARA (C.G.)
Summer Vacation Assignment (2024-25)
CLASS- X

Subject	Subject Teacher's name	Home Assignment / Project work
ENGLISH	Mr. Abhra Sarkar	1. You are Debashree, a resident of Siliguri. You have to write a letter to the editor of a national daily drawing attention towards the difficulty faced by differently-abled people at tourist places. 2. Write an article within 100 - 120 words on the topic "The Importance of Education" 3. Write a story in about 150-200 words on the basis of the given outlines: The illiterate boy……… caught for pick pocketing…….sent to juvenile prison………forced to do lessons………becomes sullen rebellious ……..watches French comic film on T.V. during recreation hour……..fascinated with the language……….requested coaching classes………a French tourist guide today. How foolish I was to have believed that young woman…… 4. Write a paragraph on the topic "Summer Vacation Trip" within 100 - 120 words.
HINDI	Mrs. P. Patle	1 व्याकरण पुष्प से अभ्यास कार्य पूर्ण कीजिए।(वाक्य विचार) 2 पढ़ाए गए पाठ्यक्रम की पुनरावृत्ति कीजिए। 3 समाचार पत्र तथा पत्रिकाओं से आकर्षक विज्ञापन का कोलाज तैयार कीजिए। 4 "दूसरों की क्षमताओं को कम नहीं समझना चाहिए" इस शीर्षक को ध्यान में रखते हुए एक कहानी लिखिए। 5 "विकसित भारत की संकल्पना" पर एक अनुच्छेद लिखिए।

MATHS	Mr. K. Thakur	**Write below 2 activities in your note copy.**
		ACTIVITY – 1 : To draw the graph of a quadratic polynomial and observe:
		  (i) The shape of the curve when the coefficient of $x2$ is positive.
		  (ii) The shape of the curve when the coefficient of $x2$ is negative.
		  (iii) Its number of zeroes.
		
		(page 98 as per Lab manual book)
		ACTIVITY – 2: To verify the conditions of consistency/inconsistency for a pair of linear equations in two variables by graphical method (page 101 as per Lab manual book)
		
		➢ **Practice questions from Reference Book (Real Number & Polynomials) which provide from School. (PT 1 Syllabus)**

		NAME	PROJECT
SCIENCE	Mr. M. K. Chauhan Mr. S. Kundu Mr. Sourabh	ADITYA PAIKRA	Watch a beating heart made of gallium
		ANAND NANDWANA	Break apart covalent bonds
		ANISH KUMAR SINGH	Measure the calories in various foods
		ANKIT VERMA	Detect latent fingerprints
		ARPIT LAKRA	Use Alka-Seltzer to explore reaction rate
		AYUSHI SAHU	Determine whether sports drinks provide more electrolytes than OJ
		B. AAYUSHI	Extract bismuth from Pepto-Bismol
		BERONIKA TIRKEY	Turn flames into a rainbow
		BHOLESHWAR CHANDRAKAR	Test and sort elements
		BHUPESH KUMAR KASHYAP	Discover the size of a mole
		DEEPAK KUMAR NAG	Cook up candy to learn mole and molecule calculations
		DHARAM VEER DAHIRE	Make soap to understand saponification
		DURGA NETAM	Uncover the secrets of evaporation
		HARSHIT SAHU	Investigate the principles of pyrotechnics
		KESHAV LAHARI	Remove the air in a DIY vacuum chamber
		KOLLAPAREDDY VEDAVATI	Put together a mini Tesla coil
		LALITA RAJPUROHIT	Boil water in a paper cup
		LORINA MAREAMMA RAENEY	Blast music using magnets
		MANAV JANGHEL	Construct a light bulb
		MANISH VERMA	Measure the speed of light—with your microwave
		MANSI MARAVI	Generate a Lichtenberg figure
		MD. KHALID RAZA CHANGAL	Build your own Newton's Cradle
		MRIGANK RANJAN SWAIN	Explore the power of friction with sticky note pads
		NAVPREET KOUR UBEJA	Bounce balls to explore stored energy and energy transfer
		NUPOOR NETAM	Build a cloud chamber to prove background radiation
		OMKAR GANDHARAW	Slide into kinetic friction
		PAMMI PATLE	Harness the power of air drag
		PREETI SUMAN KHAKHA	Magnetize a motor
		PUNAM KUJUR	Explore interference and diffraction
		RAHUL KUMAR	Re-create Da Vinci's flying machine
		RITIKA SAHU	Peer into an infinity mirror
		ROSHAN LAL VALMIKI	Design a heart-rate monitor
		SAKSHI KUNDU	Race 3D printed cars
		SANSKAR SAHU	Launch a model rocket
		SATYAM MISHRA	Grow veggies in a hydroponic garden
		SHASHIKANT PAIKRA	Grab items with a mechanical claw
		SHILPA	Play volleyball with machines
		SHIVAM THAKUR	Construct a crystal radio

		SHOURYA PRATAP SINGH THAKUR	Build a burglar alarm
		SIDDHARTH MINJ	Walk across a plastic bottle bridge
		SIMPLE BHUTADA	Unleash the power of geothermal energy
		SUSHIL KUMAR SONWANI	Construct a Rube Goldberg machine
		SUYASH PRIYA	Re-create Mendel's pea plant experiment
		TANNU BANJARE	Make plants move with light
		TANYA DEWANGAN	Test the five-second rule
		TWINKAL SONI	Taste foods to find your threshold for sour, sweet, and bitter
		UTKARSH GHRITLAHARE	See the effects of antibiotics on bacteria
		VANSH KUNDU	Witness the carbon cycle in action
		VEDIKA SAHU	Look for cell mitosis in an onion
		VIDYA LAXMI	Test the effects of disinfectants
		YASHWANT KASHYAP	Rain Water Harvesting Model.
		YOGESHWAR RAUT	Pulley crane project.
		SHIVANSH SINGH	Electric ropeway project.
		ANUSHKA GILDA	Toll Tax System using Arduino Ultrasonic Sensor.
		VASNI CHANDRAKAR	Audio based laser based theft detection system project.

Dear students, prepare a nice project file and Working or Dummy Model at your given topics
- **Front page, Acknowledge and certificate must be printed and other pages of Project file must be hand written and use spiral binding.**
- **Project file may consist maximum 12 to 15 pages.**

SOCIAL SCIENCE	Ms. Talina Mr. Sandip Mr. K. K. Mohanty	**Geography** **Chapter 1** NCERT Exercise Questions and Answers **History Chapter 4** The Age of Industrialization NCERT Exercise Questions and Answers **Economics Chapter 1** and **Political Science** Chapter 1 Question and answer shared in PDF format in class group.
I.T.	Mr. Umesh Kale	**1. Types of Feedback – make a chart or ppt.** **OR** **1. Effective Communication – make a chart or ppt.** **2. Write short notes or ppt on Stress and Its types.** **OR** **2. Write short notes or ppt on How to manage a Stress**

Class Teacher

Coordinator   **Principal**