BOKARO PUBLIC SCHOOL

SESSION -2023-24

HOLIDAY HOMEWORK

CLASS: -X.

SUBJECT	HOMEWORK
ENGLISH	1. Lencho called the post office employees "a bunch of crooks". What does it show about his attitude towards men? Was he not a person of humility, appreciation and gratefulness? Elaborate. 2. Why was Nelson Mandela overwhelmed with a sense of victory? How did he succeed in ending the apartheid regime in South Africa? 3. Animals also understand the language of love. They have loving attitude towards their masters. Elaborate with reference to the story" A Triumph of Surgery'. ➢ Description should not be in more than 100 words. ➢ Answer all these questions in your notebook. 4. Prepare a clay model of Nelson Mandela. 5. ENGLISH PROJECT:- • The project carries 10 Marks. • Content of the Project File I. Cover Page, with the title of the project, School Name and details of the student (Name, class, Sec, Reg. No, class, Roll No.) II. Certificate III. Acknowledgement IV. Objectives of the topic.

	V. **Essay / Report in 800- 1000 words [Body of the project → Supporting Material, Questionnaire, Case Study, Survey Report, Articles, Intersviews].** VI. **Conclusion** VII. **Photographs that capture positive learning experience.** VIII. **Bibliography (last page of the project)** **Instructions: -** ➢ **Listen to the podcasts, documents, interviews etc. on the given topic.** ➢ **Do a thorough research on the topic assigned.** ➢ **Describe the topic giving your opinions, suggestions, viewpoints, its impact on people.** ➢ **The project must be in shoe-string file duly covered with black paper with all the requisite details on it.** ❖ **Topic: -** **(i). Discrimination (What it is, types of discrimination, effects, how to cope etc).**
SCIENCE	**Physics: -** 1. **Ohm's low and its verification** 2. **Resistances and eye combinations** a) **In Series** b) **In Parallel** 3. **Resistivity and its formula** 4. **Electrical energy** 5. **Electrical Powder** • **Numerical Problems. Exercise** **Chemistry: -** 1. **Chemical reactions and its proportion** 2. **Types of Chemical reactions with example**

	Biology: - 1. Prepare a Model on any one? 2. Digestive System 3. Respiratory System 4. Circulatory System (Heart) 5. Excretory System (Kidney) 6. Nervous System (Neurons) And explain the function of that Model stick file.
हिन्दी	Holiday Homework Class - 10 Subject - Hindi 1. क्षितिज काव्य खंड :- सूरदास और तुलसीदास की संपूर्ण रचनाओं का अभ्यास करें टेस्ट के लिए। 2. क्षितिज गद्य खंड :- नेताजी का चश्मा बाल,गोविंद भगत और लखनवी अंदाज सभी पाठों को पढ़कर आए। 3. व्याकरण :- रचना के आधार पर वाक्य के भेद तथा वाच्य के भेद संपूर्ण अभ्यास करें टेस्ट के लिए । 4. लेखन कार्य :- आतंकवाद की समस्या अनुशासन और भारतीय संस्कार पर अनुच्छेद लिखें। 5. एक औपचारिक और एक अनौपचारिक पत्र लिखें। 6. दिए गए लिंक पर जाकर हिंदी का परियोजना कार्य करें। 10:52 AM ✓

MATHS	1. Find the zeroes of the following quadratic polynomials and verify the relationship between the zeroes and its coefficients.
	(I). $4s^2 - 4s + 1$. (II). $4u^2 + 8u$. (III)$3x^2 - x - 4$.
	2. Find a quadratic polynomial whose sum of zeroes and product of zeroes are given below.
	(I). ¼, -1. (II). 4, 1.
	❖ **Chapter: - 3**.
	(PAIR OF LINEAR EQUATIONS IN TWO VARIABLES)
	3. Given the linear equation 2x+3y-8=0, write another Linear Equation in two variables. Such that the geometrical representation of the pair to formed is
	(I). Intersecting lines. (II). Parallel lines. (III). Coincident lines.
	4. Draw the graphs of the equations x-y+1=0 and 3x+2y-12=0. Determine the coordinates of the vertices of the triangle formed by these lines and the X-axis and shade the triangular region. (Note: Use graph paper).
	5. Form the paly of linear Equations for the following problems and find their solutions by the elimination method.
	➢ The taxi charges in a city consist of a fixed charge together with the charge for the distance Covered. For a distance of 10 km, the charge paid is 105 and for a what are How much a journey of 15 km the charge paid is Rs 155. the fixed charges and the charge per km? does a person have to pay for travelling distance of 25 km?"
	6.Form the Problems a hair of linear equations in the following problems and find their solution by the elimination method
	(a) The Sum of the digits of a two-digit number is 9. Also, mime times this no. is twice the number obtained by reversing the order of the digits. find the number

(b) Meena went to a bank to withdraw Rs 2000. She asked the cashier to give her Rs 50 and Rs100 notes only. Meena got 25 notes in all. find how many notes of Rs 50 and Rs 100, she received?

MATHS ACTIVITY

1. Activity-5→ Arithmetic Progression and its sum

2. Activity-8→ Pythagoras theorem

3. Activity-12→ Chords equidistant from the centre of a circle are equal

4. Activity-25→ Volume of a right circular cylinder

5. Activity-28→ Volume of a cone

6. Activity-29→ Surface Area of a sphere

7. Activity-38 → Finding Probability

8. Activity -42 → Comparison of Surface Area of Right circular cylinder.

9. Activity-44→ Centroid of a Triangle

10. Activity-45→ Area of a circle