K.C. INTERNATIONAL SCHOOL

JALPURA, SECTOR-01, GREATER NOIDA WEST, G.B. NAGAR, 201306

## SUMMER HOLIDAY

 ASSIGNMENTCLASS: - $10^{\text {TH }}$

| 1 | ENGLISH | 1) Divide your class into 3 groups \& prepare.... 3 PPTs <br> Topic: any one by each group) <br> 1.Women Empowerment <br> 2.Child Labour <br> 3.Cyber bullying <br> 2) Movie Review:- ( To be done in A4sheet) <br> a) Watch the movie "12Years A Slave" <br> b) Find the similarities with the lesson 'Nelson Mandela: Long Walk <br> to Freedom 'and write it down. <br> c) Write the synopsis of the movie. <br> d) Describe all the emotions shown in the movie- as sadness, anger, fear, disgust etc <br> * Name of the character <br> * Role played by the character in the movie. <br> * Which is your favourite character and why? <br> 3) PORTFOLIO: <br> PREPARE A PORTFOLIO WITH THE FOLLOWING <br> ( Prepare a file with A4 size sheets) <br> * Introduction <br> * My strengths <br> * I need to improve on <br> * My achievements <br> * I have participated in <br> * The books I have read <br> * The books I wish to read. |
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| 2 | HINDI | 1- उत्तर प्रदेश के किन्हीं दस स्वतंत्रता संग्राम सेनानियों की परियोजना फ़ाइल बनाएँ, जिसमें इन सेनानियों की फ़ोटो, नाम, जन्म-मृत्यु तिथि, महत्त्वपूर्ण कार्य/ स्वतंत्रता प्राप्ति हेतु सहयोग आदि का वर्णन हो। (A4 साइज़ पेपर में) <br> 2- अभी तक जो भी पढ़ाया गया है, उसको कम-से कम पाँच बार दोहराएँ। आते ही उसी से प्रश्न पूछे जाएँगे। <br> 3. चमोली ज़िले के दर्शनीय स्थलों की जानकारी देते हुए मुम्बई -स्थित अपने मित्र को पत्र लिखिए । (100 शब्दो मे) <br> 4. आपको किसी विद्यालय में हिंदी-अध्यापक की नौकरी पानी है। अतः विद्यालय के निदेशक को नौकरी हेतु आवेदन-पत्र लिखें। इसमें आपका स्ववृत्त (biodata) होना अति आवश्यक है। ( 80 शब्द) <br> 5. किसी भी कम्पनी के सीईओ को औपचारिक ई-मेल भेजें, इसका विषय आप कुछ भी ले सकते हैं। (80 शब्द) |




## Activity 1

## Objective

To find the HCF of two numbers experimentally based on Euclid Division Lemma.

## Material Required

Cardboard sheets, glazed papers of different colours, scissors, ruler, sketch pen, glue etc.

## Method of Construction

1. Cut out one strip of length $a$ units, one strip of length $b$ units ( $b<a$ ), two strips each of length $c$ units $(c<b)$, one strip of length $d$ units $(d<c)$ and two strips each of length $e$ units $(e<d)$ from the cardboard.
2. Cover these strips in different colours using glazed papers as shown in Fig. 1 to Fig. 5:


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


## Activity 2

## Objective

To draw the graph of a quadratic polynomial and observe:
(i) The shape of the curve when the coefficient of $x^{2}$ is positive.
(ii) The shape of the curve when the coefficient of $x^{2}$ is negative.
(iii) Its number of zeroes.

## Method of Construction

1. Take cardboard of a convenient size and paste a graph paper on it.
2. Consider a quadratic polynomial $f(x)=a x^{2}+b x+c$
3. Two cases arise:


Fig. 1
(i) $a>0$
(ii) $a<0$
4. Find the ordered pairs $(x, f(x))$ for different values of $x$.
5. Plot these ordered pairs in the cartesian plane.


Fig. 2
6. Join the plotted points by a free hand curve [Fig. 1, Fig. 2 and Fig. 3].


Fig. 3

c) $\mathbf{Z n}+2 \mathrm{HCl} \rightarrow \mathbf{Z n C l} 2+\mathbf{H} 2$

Question4: For the following reaction, indicate the type of reaction and write a balanced chemical equation: When barium chloride reacts with sodium sulfate, barium sulfate and sodium chloride are formed.

Question 5: Define the law of conservation of mass and explain how it applies to chemical reactions.

Question 6: Discuss the importance of balancing chemical equations in chemistry.

Question:7 Write balanced chemical equations for the following chemical reactions:
(a) Hydrogen + Chlorine $\rightarrow$ Hydrogen chloride
(b) Lead + Copper chloride $\rightarrow$ Lead chloride + Copper
C) Zinc oxide + Carbon $\rightarrow$ Zinc + Carbon

Question 8 State the type of chemical reactions, represented by the following equations :
(a) $\mathrm{A}+\mathrm{BC} \rightarrow \mathrm{AC}+\mathrm{B}$
(b) $\quad \mathbf{A}+\mathbf{B} \rightarrow \mathbf{C}$
C) $\mathbf{P Q}+\mathbf{R S} \rightarrow \mathbf{P S}+\mathbf{R Q}$
(D) $\mathrm{A} 2 \mathrm{O} 3+2 \mathrm{~B} \rightarrow \mathrm{~B} 2 \mathrm{O} 3+2 \mathrm{~A}$

Question 9: Mention with reason the colour changes observe when:
(i) Silver chloride is exposed to sunlight.
(ii) Copper powder is strongly heated in the presence of oxygen.
(iii) A piece of zinc is dropped in copper sulphate solution.

Question:10 (a) Why has this black substance formed?
(B) What is the black substance?
C) Write the chemical equation of the reaction that takes place.

Question:10 You might have noted that when copper powder is heated in a China dish, the reddish brown surface of copper powder becomes coated with a black substance.

## Biology

1. Draw human heart with labelling on A 4 sheet.
2. Paste bryophyllum and periwinkle leaf with proper labelling on $\mathbf{A 4}$ sheet.
3. Write excretory organs of different organisms in biology notebook.
4. Name the raw materials of photosynthesis.
5. Which cell organelle is the site of photosynthesis?
6. Why does bread taste sweet on mastication?
7. What is emulsification of fat?
8. Name the digestive enzyme present in saliva.



|  | PRACTICAL - 3 <br> Implementing Mail Merge <br> Design an appreciation letter to be sent to the employees of Company for their outstanding performance. Create a recipient list/data source of 10 employee and merge the fields in the letter <br> Instructions <br> 1. Design the letter and format it. <br> 2. Print out of the data Source <br> 3. Print out of the letter with insert merge field. |
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| Art and craft | 1. Search and write about 2 Indian contemporary artist and 2 western modern artist. And also write about the work you liked the most in 100 words. <br> 2. Make a painting on India folk painting, gond painting, madhubani and for those who are good in illustration they can make a story board with the characters as you prefer and background should consist about your space. It should also must have dialogue delivery as you want. |
| Dance | Prepare a scrapbook on any 5 Indian Classical dance forms with details and draw or paste pictures. |
| Music | 1. Write $\&$ learn Top of the world $\&$ Meri maa Song in your music notebook. <br> 2. Do more singing practice for above Songs <br> 3. Learn \& practice the national anthem properly. <br> Jana-gana-mana-adhinayaka, jaya he <br> Bharata-bhagya-vidhata <br> Panjaba-Sindha-Gujrata-Maharata- <br> Dravida-Utkala-Vanga <br> Vindhya-Himachala-Yamuna-Ganga <br> Uchhala-Jaladhi-taranga <br> Tava shubha name jage <br> Tava shubha ashisha mage <br> Gave tava jaya-gatha <br> Jana-gana-mangala-dayaka jaya he <br> Bharata-bhagya-vidhata. <br> Jaya he! Jaya he! Jaya he! <br> Jaya jya jaya, jaya he! <br> 4. Write 5 famous names of indian clsssical singers and musicians with their famous song/raag in your notebook |


| 1 | ENGLISH | Literature <br> ( Prose) <br> Ch-1 A Letter to God <br> Ch -2 Nelson Mandela - Long Walk to Freedom. <br> (Poem) <br> Ch-1 Dust of Snow <br> Ch- 2 Fire and Ice <br> Supplementary Reader ( Footprints without Feet) <br> Ch -1 A Triumph of Surgery <br> *Unseen Passage <br> *Grammar:- <br> Tenses Editing <br> *Writing:- <br> 1.Paragraph writing <br> 2.Letter writing |
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| 2 | HINDI | पाठ -1 पद <br> पाठ -2 राम लक्ष्मण परशुराम संवाद <br> पाठ-10 नेताजी का चश्मा <br> व्याकरण साहित्य <br> पाठ-1 वाक्य भेद रचना के आधार पर <br> पाठ -2 पत्र लेखन <br> पाठ -4 औपचारिक ई -मेल लेखन |
| 3 | MATHS | 1- Real Number <br> 2- 2- Polynomia |
| 4 | $\begin{aligned} & \hline \text { SOCIAL } \\ & \text { SCIENCE } \end{aligned}$ | History and Civics <br> Chapter 1 (history) Rise of nationalism in Europe Chapter 1 (civics) Power sharing <br> Geography <br> Chapter 1 Resource and Development Economics <br> Economics <br> chapter 1 development Information |
| 5 | SCIENCE | Ch-1 Light <br> Ch-2 Chemical reactions and equations <br> Ch- 3- Life processes |
| 6 | COMPUTER <br> SCIENCE | Employability Skills: - <br> Unit - 1 Communication Skills - II <br> Chapter-1 Methods of Communication <br> Chapter - 2 Verbal Communication <br> Subject Specific Skills <br> Unit - 1 Digital Documentation (Advanced) |



NOTE: - School will re-open on $1^{\text {st }}$ - July- 2024

