Ph.: 9983324115, Email – info@somilaschool.com

SOMILA INTERNATIONAL SCHOOL

We Learn | We Grow | We Become

(A unit of Somdutt Deedwaniya Charitable Sansthan)

(N.H-758, Lakhola Chauraha, Gangapur, District – Bhilwara)

CBSE Affiliation No. – 1730903 **School Code – 11264**

~: HOLIDAY HOME-WORK 2023-24 :~

ACADEMIC SESSION: ~ 2023-2024

CLASS: 10		**CLASS TEACHER : MR. LUCKY K. SHARMA**	
S. No.	**SUBJECT**	**SUBJECT TEACHER**	**HOME-WORK**
1	**English**	**Mr. Lucky Sharma**	A Letter to God - 1. Dialogue Writing Suppose one day, Lencho reveals to her wife that how he had written a letter to God and the incident of receiving the money etc. Construct a dialogue between Lencho and his wife, including the dissatisfaction of Lencho and reaction of his wife. 2. Prepare a Chart You must have noticed some Metaphors in the text like, 'Huge mountains of clouds' and 'An ox of a man' Write ten new metaphoric phrases and use them in your own sentences.
2	**Hindi**	**Mrs. Anjana Bhatnagar**	1.निम्नलिखित में से किसी एक विषय पर लगभग 80 शब्दों में सूचना लिखिए: (क) आप सुनील शर्मा / सुनीता शर्मा हैं और बाल विकास विद्यालय के विद्यार्थी सचिव हैं। विजय दिवस के अवसर पर विद्यालय में होने वाली अंतरविद्यालयी निबंध प्रतियोगिता की जानकारी देते हुए लगभग 80 शब्दों में सूचना तैयार कीजिए । (ख) आप निवासी कल्याण संघ के / की अध्यक्ष / अध्यक्षा अमृत कौशल/ अमृता रानी है । सोसायटी में आयोजित होने वाले दिवाली मेले की जानकारी देते हुए लगभग 80 शब्दों में एक सूचना तैयार कीजिए ।

			2. निम्नलिखित में से किसी एक विषय पर लगभग 60 शब्दों में विज्ञापन तैयार कीजिए : (क) कचरा प्रबंधन के प्रति आम लोगों में जागरूकता लाने के लिए पर्यावरण मंत्रालय के लिए एक आकर्षक विज्ञापन तैयार कीजिए । (ख) 'सोलर कूकर' बनाने वाली कंपनी सूर्यरश्मि के प्रचार-प्रसार के लिए एक आकर्षक विज्ञापन तैयार कीजिए । 3. (क) संगति का फल शीर्षक विषय पर लगभग 100 शब्दों में एक लघुकथा लिखिए । (ख) आप रोहन दास / रोहिणी दास हैं। 'अ.ब.स. पुस्तक भंडार के प्रबंधक महोदय को अपने घर के पते पर पुस्तकें मँगवाने हेतु पुस्तक भंडार के ई-मेल पते पर लगभग 100 शब्दों में ई-मेल लिखे
3	**Mathematics**	**Mrs. Sandhya Choudhary**	Solve these questions into notebook. [Chapter 1] Q1. What is the H.C.F of the smallest compositenumber and the smallest prime number? (CBSE 2018) Q2. If'p' is a prime number then what is the L.C.M of p, p2,p3? Q3.After how many decimal places the decimal expansion of the rational number 14587/1250 will terminate? Q4.“The product of three consecutive positive integers is divisible by 6”. True or False. Justify. Q5.Can two numbers have 18 as their HCF and 380 as their LCM? Give reason. Q6.Given $\sqrt{2}$ is irrational, prove that $5 + 3\sqrt{2}$ is an irrational number.(CBSE 2018) Q7.Using Euclid’s Division Algorithm, find the HCF of 1260 and 7344. (CBSE 2019) Q8.Find HCF and LCM of 404 and 96 and verify that HCF × LCM = Product of the two given numbers.(CBSE 2018). For what value of k, (–4) is a zero of the polynomial x2 – x – (2k + 2)?(CBSE 2009) [Lesson 2] 1. For what value of p, (–4) is a zero of the polynomial x2 – 2x – (7p + 3)?

(CBSE 2009)

2.. If 1 is a zero of the polynomial p(x) = ax2 – 3(a – 1) x – 1, then find the value of a.

(Al CBSE 2009)

3. If (x + a) is a factor of 2x2 + 2ax + 5x + 10 find a.

(Al CBSE 2008 F)

4.. Write the zeroes of the polynomial x2 + 2x + 1.

(CBSE 2008)

5.. Write the zeroes of the polynomial x2 – x – 6.

(CBSE 2008)

6. Write a quadratic polynomial, the sum and product of whose zeroes are 3 and –2 respectively.

(CBSE 2008)

7. Write the number of zeroes of the polynomial y = f(x) whose graph is given in the figure.

8.If the polynomial 6x4 + 8x3 + 17x2 + 21x + 7 is divided by another polynomial 3x2 + 4x + 1 then the remainder comes out to be ax + b, find 'a' and 'b'

(CBSE 2009)

9. If the polynomial x4 + 2x3 + 8x2 + 12x + 18 is divided by another polynomial x2 + 5, the remainder comes out to be px + q. Find the value of p and q.

(CBSE 2009)

10. Find all the zeroes of the polynomial x3 + 3x2 – 2x – 6, if two of its zeroes are –

(AI CBSE 2009)

11.. Find all the zeroes of the polynomial 2x3 + x2 – 6x – 3, if two of its zeroes are –

(AI CBSE 2009)

12. If α and β are zeroes of the quadratic polynomial x2 – 6x + a; find the value of 'a' if 3α + 2β = 20.

(CBSE 2010, 2011)

[Lesson 3]

1. The sum of the digits of a two digit number is 12. The number obtained by interchanging the two digits exceeds the given number by 18. Find the number. (CBSE (CCE) 2011)

2. The sum of the numerator and denominator of a fraction is 12. If 1 is added to both numerator and denominator the fraction becomes ◆ Find the fraction. (CBSE (CCE) 2011)

3. 4 men and 6 boys can finish a piece of work in 5

			days while 3 men and 4 boys can finish it in 7 days. Find the time taken by 1 man alone or than by 1 boy alone. (CBSE (CCE) 2011) 4. A man travels 600km apart by train and partly by car. It takes 8 hours and 40 minutes if he travels 320 km by train and rest by car. It would take 30 minutes more if he travels 200 km by train and the rest by the car/. Find the speed of the train and by car separately. (CBSE (CCE) 2011) 5. Solve the equations graphically. 2x+y=2 , 2y-x=4. Also find the area of a triangle formed by the two lines and the line y=0. (CBSE (CCE) 2011) 6. For what value of k will pair of equations have no solution? 3x+y=1 , (2k-1)x+(k-1)y=2k+1 CBSE (CCE) 2012) 7. Solve the following pair of equations graphically. x+3y=6, 2x-3y=12. Also find the area of the triangle formed by the lines representing the given equations with y-axis. (CBSE (CCE) 2012)
4	**Physics**	**Mr. Anil Chouhan**	Do any one of the following - a) Define Ohm's Law, Draw Suitable Diagram, Drive relation between V and I of an electric circuit b) Define the Series combination of the resistance with suitable diagram , Drive equation for equivalent resistance , c) Define the Parallel combination of the resistance with suitable diagram , Drive equation for equivalent resistance , d) Define Resistivity of a conductor and relate it with the conductivity , draw a suitable graph in favor of your explanation.
5	**Chemistry**	**Mr. Arif Mohammed Ansari**	(i) Prepare a project file and solve the NCERT EXEMPLAR PROBLEMS for chapter 1 'Chemical Reaction and Equations". Given below is the link to download the same: https://ncert.nic.in/pdf/publication/exemplarproblem/classX/science/jeep101.pdf (ii) Find out the 50 formulae of any ten metals of reactivity series of their oxides, sulphates, carbonates, chlorides and nitrates. (Formula Making) (iii) Hang water-filled bags (SAKORE) for birds and

			click a selfie with it and paste this photo on the last page of the project file.
6	**Biology**	**Ms. Ankita Guin**	Prepare a project on the topic ENDOCRINE SYSTEM with the well labeled diagram in biology notebook. NOTE: - Revise the chapter Life Processes.
7	**Social Science**	**Ms. Priyanka Negi**	You WILL select ONE from the following for project- 1. CONSUMER AWARENESS 2. SOCIAL ISSUES 3. SUSTAINABLE DEVELOPMENT