

## KENDRIYA VIDYALAYA NO.1 ARAKKONAM

### Summer Vacation Homework 2019-2020

	ENGLISH	HINDI	MATHS	Sanskrit	Science	Social Science
<b>CLASS VI</b>	<p>1. Collect notices from magazines or newspaper and paste in your note book</p> <p>2. Read daily newspapers and write 3 headlines per day.</p>	<p>1. विलोम-शब्द दैनिक जीवन में कम आने वाले शब्दों का लेखन   आवश्यक चित्र भी लगाये   कोई 20</p> <p>2. पर्यायवाची शब्द-20 दैनिक जीवन के आवश्यक शब्दों का ज्ञान  </p> <p>3. वचन बदलो कोई 20</p> <p>4. दैनिक जीवन में आये शब्दों में कोई 20 शब्दों के लिंग बदलो  </p> <p>5. अपने दोस्तों के नाम लिखो तथा अपने प्रिय मित्र की फोटो चिपकाकर एक अनुच्छेद लिखिए।</p>	<p><b>Ch 1. Knowing our Numbers.</b></p> <p><b>Ex.1.1</b> Q.No. 1,2,3,4.</p> <p><b>Ex. 1.2</b> Large numbers in practice.</p> <p>Q.No. ( 1,2,3, 4,5,6,7,8,9,10.).</p> <p><b>Ex.1. 3</b> Estimate the products. ( Sum or difference)</p> <p>Q.No. 1,2 ,3</p> <p>Write the Roman Numerals from 1 to 50.</p>	<p>1. कहानि-लिखना (पु-41.42)</p> <p>2. सूक्तिस्तबक:---पु-46</p> <p>3.25.शब्दों .-चित्रों के सात</p> <hr/> <p><b>Work Experience</b></p> <p>1. Prepare a chart on one of the topics electrical / Electronics / Computer / Chemical / Aeronautical education</p>	<p>1. Make a note of different mode of transport from ancient to modern time.</p> <p>2. List the precautions to be taken while handling electrical appliances.</p> <p>3. Write a slogan on save water.</p> <p>4. Write some tips to reduce wastage of water.</p> <p>5. Write a paragraph whether plastics is a boon or a curse.</p>	<p>1. Draw the inscriptions that are inscribed on hard surfaces and write few sentence on it (page no 8)</p> <p>2. Paste the pictures of 5 tourist places of Kerala and write few sentences on it (pg no 10)</p>
<b>CLASS VII</b>	<p>1. Write five new words with meaning daily and make a mini dictionary [A – Z]</p> <p>2. Observe Nature for 7 days and make a diary entry of each day.</p>	<p>1. अपनी दादी के बारे एक सचित्र अनुच्छेद लिखिए।</p> <p>2. महाभारत की वंशावली की तरह अपने परिवार की सचित्र वंशावली तैयार करे।</p> <p>3. हिमालय से निकलने वाली नदियों के नाम लिखिए   साथ ही नदियों के लाभ को सचित्र लिखिए   नोट-चित्र के रूप में अखबार की कतरन का प्रयोग कर सकते हो  </p> <p>4. गर्मी की छुट्टियों में पहाड़ी क्षेत्र में घूमने का आग्रह करते हुए पिताजी को पत्र लिखिए  </p>	<p><b>Chapter.1. Integers.</b></p> <p>Properties of Integers on Addition &amp; Subtraction.</p> <p>Ex. No. 1.2 Q.No. 1,2,3,4.</p> <p>Examples. 1,2,3,4,5,6.</p> <p>Ex.No.1.3 Properties of Multiplication and Division of Integers.</p> <p>Q.No. 1,2,3,4,5,6,7.</p> <p>Ex.No. 1.4 Q.No. 1,2,3,4.</p>	<p>1.वर्ण विचार: -(86च87 पु)</p> <p>2.शब्द रूपाणि -सर्वनाम शब्दा: (एतत् ---तत्)</p> <p>3.संख्या-वाचक शब्दा: (1 -- -100)</p> <hr/> <p><b>Work Experience</b></p> <p>1. Construct 2 switch, 2 appliances electrical circuit and study its behavior.</p>	<p>1. Name the breathing organs in human body</p> <p>2. Draw a labeled diagram of human respiratory system</p> <p>3. Write bad habits which can cause lung cancer</p> <p>4. State the harmful effects of smoking</p> <p>5. Why do we usually feel hungry after a heavy physical exercise</p> <p>6. Describe the mechanism of breathing in humans</p>	<p>1. Write about Ambedkar 2page and paste few picture about his contribution(page no 12)</p> <p>2. Write about Equality on Indian democracy 1 page(page no 9)</p> <p>And paste some pic on it</p> <p>3. Draw the components of environment and write few sentences(page no 2)</p>

<b>CLASS VIII</b>	<p>1. Write a letter to the Editor on the topic “ JUNK FOOD SHOULD BE AVOIDED” Why?</p> <p>2. Read daily newspapers and write 5 headlines per day.</p> <p>3. Write a notice in fifty words requesting the students to take parting “Essay Writing Competition” that will be held in our Kendriya Vidyalaya on April 20,2019 at 9.30 am for Seniors and Juniors</p> <p>4. Read a short novel for kids and write a book review</p>	<p>1. पंडित जवाहरलाल नेहरू की सचित्र जीवनी लिखिए  </p> <p>2. किसी यात्रा का वर्णन कीजिए।</p> <p>3. ‘कर्मनिष्ठ डाकिया’(पोस्टमेन) पर सचित्र अनुच्छेद लिखिए।</p> <p>4. राष्ट्रमंडल खेलों में भारतीय खिलाड़ियों के योगदान का वर्णन करते हुए अपने मित्र को पत्र लिखिए  </p>	<p><b>Chapter.1. Integers.</b> Properties of Integers on Addition &amp; Subtraction. Ex. No. 1.2 Q.No. 1,2,3,4. Examples. 1,2,3,4,5,6. Ex.No.1.3 Properties of Multiplication and Division of Integers. Q.No. 1,2,3,4,5,6,7.Ex.No. 1.4 Q.No. 1,2,3,4.</p>	<p>1.योग्यता विस्तार (पाठ - 1,2,3--)</p> <p>2.परिशिष्टम्-----सन्धि:-- (पु- 107,108.109.110)</p> <p>3.धातु रूपाणि----- (पु.119.120.121.122)</p>	<p>NOTE: STUDENTS SHOULD SELECT ANY ONE OF THE FOLLOWING PROJECTS.</p> <p>1. Gather the information about any 2 prominent scientists with their pictures. Write the information on chart paper and paste pictures on the top of it.</p> <p>2. Find out about the Noble prize winners of 2018 in science field and paste their pictures on A4 sheet to be displayed in science laboratories.</p> <p>3. List out the national parks in your native state and gather the information regarding various species found in that area.</p> <p>4. List out the endangered and vulnerable species of plants in India. Give information with the pictures for the same.</p> <p>5. List out the endangered and vulnerable species of animals in India. Give information with the pictures for the same.</p>	<p>1.Paste the picture of Historical movements in Hyderabad</p> <p>a.Charminar majid</p> <p>b.Golconda Fort and write 10 sentence each</p> <p>2.Write all the 6 fundamental rights and few sentences (pg 14)</p> <p>3.write a page “How survey become Important “</p>
				<b>Work Experience</b>		
				Construct an electrical circuit using concept of 2 way switch.		

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<b>CLASS IX</b>	<p>1. Letter to the Editor on A) "Girl child Education" B) "Books are the best Companions" C) "Sports and Games"</p> <p>2. Article A) Article on "Selfie Culture is out of Control" B) Article on "Election Commission of India"</p> <p>3. Book Review Read and write review of a book that you have read</p>	<p>1. निबंध लिखिए   १. शिक्षा में खेलकूद का महत्त्व २. विद्यार्थी और अनुशासन ३. समय का सदुपयोग ४. 'राष्ट्रमंडल खेल' भारतीय खिलाड़ियों के योगदान को सचित्र वर्णन कीजिए   2. अपने विद्यालय की विशेषता बताते हुए अपने मित्र को पत्र लिखिए   3. हिन्दू समाचार के संपादक को पत्र लिखिए जिसमें विद्युत् कटौती के बारे में बताया गया है  </p>	<p><b>Chapter.1. Integers.</b> Properties of Integers on Addition &amp; Subtraction. Ex. No. 1.2 Q.No. 1,2,3,4. Examples. 1,2,3,4,5,6. Ex.No.1.3 Properties of Multiplication and Division of Integers. Q.No. 1,2,3,4,5,6,7. Ex.No. 1.4 Q.No. 1,2,3,4.</p>	<p>NOTE: STUDENTS SHOULD CHOOSE ONE OF THE FOLLOWING PROJECTS Q1. Students should select any one of the themes and perform the field activities with reference to the local issues related to these themes mentioned below. Bring the log book and charts related to the project. 1. Health, hygiene and sanitation 2. Ecosystem and ecosystem services 3. Waste to wealth 4. Society, culture and livelihood 5. Traditional knowledge system Q2. List out the various communicable diseases in your area and write the causes, treatment and prevention of the disease. Q3. Make a 3D Model of animal or plant cell.</p>	<p>1. Collect information about Hitler and rise of Nazism in Germany (scrap book) 2. Disaster management – Natural disaster or Human made disaster (stick related pictures &amp; information)(SCRAP BOOK) 3. List out the Fundamental Rights and the Fundamental Duties of Indian citizens. 4. Complete the Question and Answers of "The Story of Palampur" 5. Write a report on places visited during summer vacation- Tourists places, cities and villages .National Parks and Zoos, Hill Stations</p>	<p>4 level Water level identifier</p>

<b>CLASS X</b>	<p>1. Letter to the Editor  A) Write a letter to the Editor on the topic “About poor conditions of roads and public parks of your locality”  B) Write a letter to the Editor on the topic “Making a plea to the common people to switch over to solar energy to conserve electricity and limit electricity bills”  C) Write a letter to the Editor on the topic “Scarcity of water in your locality suggesting/requesting ways to save the position of water supply”</p> <p>2. Write a own Story based on  a. Family Story    b. Thriller Story</p> <p>3. Read daily newspapers and write 10 headlines per day with Explanation.</p> <p>4. Article  A) Article on “INDIA - heaven for tourists”  B) Article on “TEACHER - a role model”  C) Article on “Your Dream Destination”</p>	<p>1. निबंध लिखिए    इन्टरनेट वरदान या अभिशाप  स्वाच भारत अभियान  बेटी बचाओ बेटी पढ़ाओ  विद्यार्थी जीवन में अनुशासन का महत्त्व</p> <p>2. अपने माता-पिता का चित्र सहित एक अनुच्छेद लिखिए  </p> <p>3. निम्नलिखित कवि और लेखकों का चित्र सहित साहित्यिक परिचय दीजिए    सूरदास  तुलसीदास  स्वयं प्रकाश</p> <p>4. भक्तिकाल के कवियों के नीतिपरक दोहों का संकलन कीजिए  </p>	<p>Scroll Down to note</p>	<p>NOTE: STUDENTS HAVE TO CHOOSE ANY ONE OF THE FOLLOWING:</p> <p>Q1. Find out the chemical composition present in the following products which we use in our day today life.  Name of the product Chemical composition  1 Tooth paste  2 Talc (face powder)  3 Toilet Soap  4 Nail polish  5 Body spray  6 Shoe polish</p> <p>Q2. Students should select any one of the themes and perform the field activities with reference to the local issues related to these themes mentioned below. Bring the log book and charts related to the project.  Health, hygiene and sanitation  Ecosystem and ecosystem services  Waste to wealth  Society, culture and livelihood  Traditional knowledge system</p> <p>Q3. List out the various air pollutants in your area and write their ill effects in human.</p> <p>Q4. Find out some local issues related to the natural resources in your area and collect the relevant data and mention the various management practices.</p>	<p>1 ‘Mahatma Gandhi and freedom struggle’ Collect information with pictures.(ACTIVITY NOTE)  2. Collect information about “THE PANCHAYATI RAJ SYSTEM IN INDIA.”  3. Collect information about Digital India Programme or Make India Programme. (ACTIVITY NOTE)  4. Write a report on places visited during summer vacation- Tourists places, cities and villages  .National Parks and Zoos, Hill Stations.</p>	<p>Equivalent resistance in series and parallel combination.</p>
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**CLASS X (Maths Holidays Homework)**

1. State Euclid’s Division Lemma

2. State Fundamental theorem of Arithmetic
3. Write the prime factorization of 1771
4.  $\text{HCF}(a,b) \times \text{LCM}(a,b) = \dots\dots\dots$
5. Write the HCF of 10,16
6. State the number of Zeroes of A LINEAR, QUADRATIC and CUBIC POLYNOMIAL
7. Use Euclid's division algorithm to find the HCF of 135,225.
8. Show that any positive odd integer is of the form  $6q+1$ , or  $6q+3$ , or  $6q+5$  where  $q$  is some integer.
9. Given  $\text{HCF}(306,657) = 9$ . Find  $\text{LCM}(306,657)$
10. Find the LCM and HCF of 336 and 54
11. Show that any positive odd integer is of the form  $4q+1$  or  $4q+3$  where  $q$  is any intger.
12. Write the prime factorization of 32760
13. Find the LCM of 6,72 and 120
14. Check whether  $6^n$  can end with digit 0 for any natural number  $n$ .
15. Find  $\text{HCF}(96,404)$  by prime factorisation
16. Explain why  $7 \times 11 \times 13 + 13$  is a composite number
17. Find the quadratic polynomial whose Zeroes are  $-3, 2$
18. Find the LCM of 26,52,210 by prime factorisation
19. Check whether  $6^n$  can end with digit 0 for any natural number  $n$ .
20. Check whether  $\frac{7}{80}$  has terminating decimal or not?
21. Find the Zero's of the quadratic polynomial  $x^2 - 2x - 8$
  
22. Find all the zeros of  $2x^4 - 3x^3 - 3x^2 + 6x - 2$ , if you know that two of its zeroes are  $\sqrt{2}$  and  $-\sqrt{2}$
23. Verify that  $3, -1, \frac{1}{3}$  are the zeroes of the cubic polynomial  $P(x) = 3x^3 - 5x^2 - 11x - 3$
24.  $P(x) = x^4 - 3x^2 + 4x - 2$ ,  $g(x) = x^2 - x + 1$ . Divide  $P(x)$  by  $g(x)$ . Is  $g(x)$  a factor of  $P(x)$ ?
25. Show that  $3 + 2\sqrt{5}$  is irrational

26. Use Euclid's division lemma to show that square of any positive integer is either of the form  $3m$  or  $3m+1$  for some integer  $m$

27. Find LCM and HCF of 510 and 92 and verify that  $\text{LCM} \times \text{HCF} = \text{product of two numbers}$

28. Is  $7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 + 5$  a composite number? Why?

29. The number  $4^n$  cannot be zero for any value of  $n$ , where  $n$  is a natural number. Explain why?

30. Express  $\frac{3}{2^3}$  in decimal form and 23.3408 in  $\frac{p}{q}$  form