

ITBP Public School, Dwarka
Holiday Homework
Summer Vacations (2022-23)
Class 8



Subjects	Homework
English	<p>A. " Creativity is Intelligence having Fun"</p> <ol style="list-style-type: none">1. Make a Travel Brochure on Sikkim.2. Use Waste Material and make a Chart on following Grammar Topics according to your roll numbers: * Chart on Adjective - Roll no. 1-19 * Chart on Pronoun- Roll no. 20 onwards <p>B. "Handwriting is more connected to the movement of the heart"- Natalie Goldberg</p> <p>(Note: Handwriting to be done in Grammar Notebook- Only Cursive or Print Style Handwriting)</p> <ol style="list-style-type: none">3. Dialogue Writing- Write conversation of Velu and Jaya from chapter 'Children at Work' in beautiful handwriting.4. Write a paragraph on ' Child Labour' in 100-120 words.5. Pick out any two words from the newspaper everyday. Write their meanings and make sentences of your own in your English Grammar notebook.6. Write 5 headlines of Newspaper beautifully everyday. <p>C. " Reading is Dreaming with Open Eyes"</p> <ol style="list-style-type: none">7. Read a novel of your choice.8. Read Ch. 4. Bepin Chaudhary's Lapse of Memory- Honeydew

	Read ch. 4. The Treasure Within- It so Happened
Hindi	<ul style="list-style-type: none"> • बस की यात्रा पाठ के आधार पर लेखक और उसके मित्रों के बीच अपनी कल्पना से संवाद (बातचीत) लिखिए। चित्र भी बनाकर अपने कार्य को आकर्षक बनाइए।(रंगीन A-4 साइज शीट में करें।) • अपने घर अथवा पड़ोस के किसी वरिष्ठ व्यक्ति के समय की शिक्षा प्रणाली पर चर्चा करते हुए अपनी आधुनिक शिक्षा प्रणाली के साथ तुलना कीजिए व उसको रंगीन A-4 साइज शीट में लिखिए। • अपनी पूरक पुस्तिका 'भारत की खोज' के पृष्ठ 1 से 16 तक ध्यानपूर्वक पढ़ें और उसमें से दस नए कठिन शब्दों को ढूँढ़ें व उनके अर्थ जानकर लिखें । (ग्रीष्मावकाश कार्य उत्तर पुस्तिका में करें।) • पाँच सुविचार सुंदर तरीके से रंगीन A-4 साइज शीट में लिखें एवं उन्हें याद भी करें। • 'लाख की चूड़ियाँ' पाठ के अनुसार लाख और काँच धातु में अंतर खोजें व स्पष्ट करें। (ग्रीष्मावकाश कार्य उत्तर पुस्तिका में करें।) • पाठ्यपुस्तक वसंत भाग-3 के गद्य एवं पद्य भाग के दो-दो पाठों को ध्यानपूर्वक पढ़कर प्रत्येक पाठ के पाँच-पाँच बोधात्मक प्रश्न लिखकर उनके उत्तर दीजिए । (ग्रीष्मावकाश कार्य उत्तरपुस्तिका में करें।) • घर में उपलब्ध समाचार पत्र एवं पत्रिकाओं को पढ़कर पठन कौशल का अभ्यास करें । • दिए गए शब्दों के दो-दो पर्यायवाची ढूँढ़कर अपनी व्याकरण की उत्तर पुस्तिका में करें :- इन्द्रधनुष , शरीर , दंड , बिजली , बहादुर , कला , आवाज , उर्जा , एहसान , रोज़गार , भाग्य , लाभ , कन्या , अंक , लक्ष्मी । • दिए गए शब्दों के विलोम शब्द ढूँढ़कर अपनी व्याकरण की उत्तर पुस्तिका में करें :- एकता,मान,बाहर,सूक्ष्म,विरोध,लोभ,स्वर्ग,समीप,साकार,तानाशाही,तरल,चतुर,रक्षक,स्तुति,बंधन। • मुहावरों के अर्थ लिखकर उनके दो -दो वाक्य अपनी व्याकरण की उत्तर पुस्तिका में लिखें :- हाथ मलना, हक्का - बक्का रह जाना , राई का पहाड़ बनाना , पगड़ी उछालना , दिन दूनी रात चौगुनी उन्नति करना, कोई जोड़ न होना, आगा-पीछा करना, अगर-मगर करना, अपने पाँव पर कुल्हाड़ी मारना, हवाई किले बनाना। • हिंदी लेखन अभ्यास एवं सुधार हेतु ग्रीष्मावकाश कार्य उत्तरपुस्तिका लगाएँ एवं उसमें 15 पेज सुलेख कार्य करें। <p>महत्वपूर्ण बिंदु ▪ सारा कार्य आकर्षक ,सृजनात्मक और कलात्मक एवं प्रस्तुति योग्य होना चाहिए ।</p>

	<ul style="list-style-type: none"> ▪ कार्य को आकर्षक बनाने के लिए आप भिन्न-भिन्न रंगों और चित्रों का प्रयोग कर सकते हैं। ▪ सारा कार्य आंतरिक मूल्यांकन के अंतर्गत जाँचा जाएगा। ▪ लेखन के कार्य को करने हेतु आप किसी भी प्रकार के रंगीन कागज एवं शीट का प्रयोग कर सकते हैं। ▪ पाठ्यक्रम में पढ़ाए गए पाठों एवं करवाए गए कार्य की पुनरावृत्ति एवं अभ्यास पुनः करें तथा उन्हें परीक्षा हेतु तैयार करें।
<p>Maths</p>	<p><i>Summer is here and with it come your amazing holidays! But what's a holiday without some homework? So, Do your homework and be a hero this summer!</i></p> <p>General Guidelines for Students:</p> <ul style="list-style-type: none"> • Solve the worksheets in A-4 size ruled sheets. • Use black and blue pens to write the questions and answers respectively. • Do your work neat and clean. <p>Activity:-</p> <ol style="list-style-type: none"> 1. Write an autobiography on any 1 famous mathematician (Minimum 2 pages – Maximum 4 pages). Decorate the background with Sikkim's Buddhist Art. 2. Revise Chapter 1, Rational Numbers and Chapter 2, Linear equations in one variable thoroughly in practice notebook. 3. Complete all class work in fair notebook. Do following worksheets on A-4 Size ruled sheets . <p style="text-align: center;">Worksheet – 1</p> <p style="text-align: center;">Chapter – 1 (Rational Numbers)</p> <ol style="list-style-type: none"> 1. Represent the following on number line: a) $19/2$ b) $-16/3$ c) $-18/22$ 2. Answer the followings in one word :- (i) The rational number that does not have a reciprocal. (ii) The rational numbers that are equal to their reciprocals. (iii) The rational number that is equal to its negative. 3. Fill in the blanks. (i) Zero has _____reciprocal. (ii) The numbers _____and _____are their own reciprocals. (iii) The reciprocal of -5 is _____. (iv) Reciprocal of $1/x$, where $x \neq 0$ is _____. (v) The product of two rational numbers is always a _____. (vi) The reciprocal of a positive rational number is _____. 4. The sum of two rational numbers is $13/5$. If one of them is $-3/2$, find the other. 5. Verify associativity of multiplication of rational numbers for the given numbers : a) $1/2, 3/4, 5/6$ b) $3/7, 5/6, 14/23$ 6. Find two rational numbers between the following: a) -2 and -3 b) $2/3, 13/14$ 7. Using appropriate property find the value of: $-2/3 \times 5/6 - 2/3 \times 4/7$ 8. Simplify the following expression and write the additive and multiplicative inverse of the result obtained: $4/3 \times 1/2 \div 3/2$.

9. Multiply $\frac{5}{8}$ by the reciprocal of $-\frac{3}{8}$.
10. Identify the rational number which is different from the other three : $\frac{2}{3}$, $-\frac{4}{5}$, $\frac{1}{2}$, $\frac{1}{3}$. Explain your answer.
11. Name the property under multiplication used in each of the following.
- (i) $-\frac{4}{5} \times 1 = 1 \times (-\frac{4}{5}) = -\frac{4}{5}$
(ii) $-\frac{13}{17} \times (-\frac{2}{7}) = -\frac{2}{7} \times (-\frac{13}{17})$
(iii) $-\frac{19}{29} \times \frac{29}{-19} = 1$
12. Write five rational numbers which are smaller than 2.
13. If $x = \frac{1}{2}$, $y = -\frac{2}{3}$ and $z = \frac{1}{4}$, verify that $x \times (y \times z) = (x \times y) \times z$.
14. The product of two rational numbers is $\frac{15}{56}$. If one of the numbers is $-\frac{5}{48}$, find the other.
15. Let a, b, c be the three rational numbers where $a = \frac{2}{3}$, $b = \frac{4}{5}$ and $c = -\frac{5}{6}$, Verify:
- (i) $a + (b + c) = (a + b) + c$ (Associative property of addition)
(ii) $a \times (b \times c) = (a \times b) \times c$ (Associative property of multiplication)

Worksheet -2

(Chapter: 2, Linear Equations in one variable)

1. Solve the following linear equations:
- (i) $x - 11 = 7$ (ii) $z + 8 = 9$ (iii) $11x = 121$
2. A positive number is 5 times another number. If 21 is added to both the numbers, then one of the new numbers becomes twice of other new numbers. Find the original numbers.
3. Five years ago, Anu was thrice as old as Sonu. After ten years, Anu will be twice as old as Sonu. How old are Anu and Sonu?
4. There is a narrow rectangular plot. The length and breadth of the plot are in the ratio of 11:4. At the rate of Rs. 100 per meter it will cost the village panchayat Rs. 75000 to fence the plot. What are the dimensions of the plot?
5. Solve for x : $8x + 4 = 3(x - 1) + 7$.
6. Aaradhya thinks of a number and subtracts $\frac{1}{3}$ from it. She multiplies the result by 7. The result now obtained is 3 times the same number she thought of. What is the number?
7. Solve for m : $m - \frac{(m - 1)}{2} = 1 - \frac{(m - 2)}{3}$.
8. Simplify and solve the following linear equations.
- a) $3(t - 3) = 5(2t + 1)$ c) $15(y - 4) - 2(y - 9) + 5(y + 6) = 0$
b) $16y - 5z = 256 - 5z$ d) $3(z + 13) = -5(z - (-1))$
9. Solve for z : $3(5z - 7) - 2(9z - 11) = 4(8z - 13) - 17$.
10. A sum of Rs.2700 is to be given in the form of 63 prizes. If the prize is of either Rs.100 or Rs.25, find the number of prizes of each type.

Note : Home work assignment should be done on Ruled A4 Size Sheets only.

Science

GENERAL INSTRUCTIONS-

THERE ARE FOUR PARTS OF SCIENCE HOME-WORK.
-ATTEMPT PART A AND D IN SCIENCE NOTEBOOK.
-SUBMIT PART B AND C SEPARATELY

A-Attempt these two assignments given below in your Science notebook. It is compulsory to write questions.

CHAPTER -1
CROP PRODUCTION AND MANAGEMENT

Q1- MCQ(S)

(a) The science which deals with breeding, feeding and caring of domestic animals is called _____

- (i) Animal husbandry (ii) breeding
(iii) horticulture (iv) none of these

(b) Which of the following is not a cereal?

- (i) maize (ii) pea
(iii) bajra (iv) barley

(c) Urea is a _____.

- (i) fertilizer (ii) compost
(iii) manure (iv) none of these

(d) Rhizobium bacteria is found in _____ of leguminous plants.

- (i) leaves (ii) stem
(iii) root nodules (iv) flowers

Q2 VERY SHORT ANSWER QUESTIONS

1. Name the two main modern methods of irrigation.
2. Name any two rabi crops.
3. What are the two methods of sowing seeds?
4. What is meant by manuring?
5. What is irrigation?

Q3 SHORT ANSWER QUESTIONS

1. What is meant by agricultural implements?
2. Why are pulses alternated with crops like wheat and rice?
3. List any two factors on which time and frequency of irrigation depend.
4. How do leguminous plants help in maintaining soil fertility?

2. Name any two communicable diseases.
3. Name two common food preservatives used at our homes.
4. Name any two diseases spread through air.
5. What is immunity?

Q3 SHORT ANSWER QUESTIONS

1. What is pasteurisation?
2. How do viruses differ from other microorganisms?
3. What is meant by fermentation? Name some scientist who discovered it.
4. Explain the formation of curd from milk.
5. How do leguminous plants increase soil fertility?
6. Name any two diseases caused by (a) viruses (b) bacteria (c) protozoa.
7. Microorganisms decompose waste of plants and animals and help in keeping the environment clean.
 - (a) Name any two microorganisms which keep the environment clean by decomposing dead organic wastes.
 - (b) Being a student, how can you contribute in keeping the environment clean? Give two ways.

Q4 LONG ANSWER QUESTIONS

1. Explain two methods of food preservation. Also, discuss the advantages of food preservation.
2. Draw a neat diagram to show nitrogen cycle and explain the process of nitrification and denitrification.
3. Describe the principle on which the following methods of food preservation are based: (a) boiling, (b) canning, (c) freezing, (d) dehydration.
4. (a) What is vaccine?
 - (b) How does it work?
 - (c) Why are the children vaccinated?

Q5 HOTS

1. Why does curd set faster in summers than winters?

	<p>2. Why do we say that if a person suffers from chickenpox once, he/she is not likely to be attacked by the same disease in the future?</p> <p>3. Why should we always wash our hands before handling food items?</p> <p>Q6 APPLICATION BASED</p> <p>1. Meeta asked Rekha not to sleep under the tree at night. Give reason for the same.</p> <p>2. Why should we breathe through the nose and not through the mouth?</p> <p>B- Attempt any DIY Project for Eco- Friendly lifestyle.</p> <p>C- Make your own Science journal with the help of team of 8 members each.</p> <p>D- Visit any science museum or National Science Centre with your family and make a detailed report on your observations and learnings from there.</p>
<p>S.Sc.</p>	<p><u>General instructions</u> Make a file, Use A4 lined paper sheet to answer all questions.</p> <p>A. How, When and Where</p> <ol style="list-style-type: none"> 1. Why do we call history our Past? 2. What did James Mill think about the Asian Societies? 3. Interview your mother or another member of your family to find out about their life. Now divide their life into different periods and list out the significant events in each period. Explain the basis of your periodisation. <p>B. Conserving Resources</p> <ol style="list-style-type: none"> 1. Sow a seed in a pot and write down the observation on it. 2. Write a short poem on ‘save water and save earth’[8 to 10 lines] 3. Develop a small greenery near the house with waste material. 4. Write an audit report on the water saving method used by you in 30 days of your holiday. <p>C. Understanding Secularism</p> <ol style="list-style-type: none"> 1. How does the Indian Constitution mandate the Indian State to be secular? 2. What will be the consequences of the time if majority religious groups will have access to state power? 3. List the different types of religious practice that you find in your neighborhood. This could be different forms of prayer, worship of different gods, sacred sites, different kinds of religious music and singing etc. Does this indicate freedom of religious practice? 4. Design your own poster on religious tolerance for your peers.

Sanskrit	<ul style="list-style-type: none"> • सर्वनाम शब्द अस्मद (मैं), युष्मद (तुम) शब्दों के शब्द रूप लिखें । • सर्वनाम शब्द यत् (जो) के पुल्लिङ्ग , स्त्रीलिङ्ग , नपुंसकलिङ्ग में शब्द रूप लिखें । • ऋकारान्त स्त्रीलिङ्ग स्वसृ (बहन) और मातृ (माता) के शब्द रूप लिखें । • नकारान्त पुल्लिङ्ग राजन् (राजा) के शब्द रूप लिखें । • हस , चल , खेल , खाद , धाव , रक्ष , पूज , कूर्द , पत , भ्रम , लिख , गम (गच्छ) , पठ व क्रीड धातुओं के लट लकार (वर्तमानकाल) , लृट लकार (भविष्यतकाल) , लङ्गलकार (भूतकाल) , लोट लकार (आज्ञा / आदेश) , विधिलिङ्ग लकार (सम्भावना) के धातु रूप लिखें । (सभी धातुओं के अलग- अलग) • चित्र सहित शरीर के अंगों के नाम लिखें । • सम्बन्ध वाचक शब्द लिखें । जैसे – बहन , माता , पिता इत्यादि । • 20-20 पशुओं , पक्षियों , फलों , के नाम लिखें । (संस्कृत में) आप गूगल से सहायता ले सकते हैं । • श्रीमद्भगवद्गीता के कोई पाँच श्लोक हिन्दी अर्थ सहित लिखें ।
Computer	<ol style="list-style-type: none"> 1. Explain All Available Applications Like Bhim, Paytm Etc For Online Payment In Detail With Image. 2. Make File On 20 Browsers And 20 Search Engine With Image. 3. Make Model On Pan, Lan, Man And Wan Network 4. Make Model To Represent All Network Topology In Detail. 5. Write Difference Between Bluetooth, Wifi , Wimax. 6. Make file on input and output devices 7. What do you understand by number system explain binary and Decimal number system with conversion decimal to binary and binary to decimal. 8. Explain About Cybercrime In Detail, Write Suitable Steps To Prevent From Cybercrime.
Arts	<p>CLASS - 8th ACTIVITY NAME - String Art</p> <p>MATERIAL TO BE REQUIRED</p> <ul style="list-style-type: none"> *plywood *beads *thread *Nails *Hammer *fevicol *scissors



link -

<https://youtu.be/RsaQKTfZr8U>

*Do page no 8,9,10,12,18,19 in Art book

Draw one sketch everyday on an A4 sheet or rough notebook.

* Do colouring practice on an A4 sheet or rough notebook.

GK/Moral Values

1. Write 15 current affairs in your G.K notebook.
2. Make a chart showing any five historic speeches and the names of people who gave these speeches. [you can also take help from G.K class 8th page no.11]
3. Read any one fiction book from the list given on page no 13 in your G.K book and write its summary [300 words]
4. Make a poster showing 10 world languages from their scripts.

Music

1. Make one Poster (sheet - A3 size) or A model Related to Music.
2. Write and Learn National Anthem and National Song in correct pronunciation (In music notebook).
3. Write an introduction of One Indian classical Singer and Indian Classical Dancer in your Music Notebook. Write about his/her full name DOB, Achievements and Performances.
4. Write any one Non Filmy PATRIOTIC SONG in your music notebook.

Sports

- All the work must be done in one (colourful) scrapbook.
1. Write about your favorite sports person and paste pictures
 2. Make one first aid box.
 3. Get up early in the morning and do some yog practice and di some outdoor activities like.... Biking, swimming, running, jump rope etc...
 4. Eat healthy and stay healthy.