ARMY PUBLIC SCHOOL JHANSI
SESSION 2021 – 22
CLASS - 7

It's summer time, school vacation has begun, Its time to play and have fun INDOORS. Time to spend with kith and kin

Happy Holidays

Dear Student,

- Summer Vacation is the best and the most fruitful time for learning and nurturing creativity. Keeping this objective in mind we have planned diverse and exciting activities that will enhance your knowledge and boost your creativity.

- "Knowledge is Power". Therefore read lots and lots of books to cultivate the reading habit and develop your vocabulary, language skills, increase your attention span and improve yourspellings.

- "A healthy mind lives in a healthy body". So play the sport of your choice INDOORS. It will help to instill discipline, generate sporting spirits and channelize your energies constructively.

- Get up early in the morning and see the rising sun. Do indoor exercises / yoga and stay healthy and fit. Spend quality time with your elders and share your thoughts and ideas withthem.

- Eat healthy food and drink lots of water duringsummer.

- Integrating curriculum helps students deepen their understanding of the subject matter and comprehend relationship between different areas of study. This year's holiday homework has been designed keeping this inter disciplinary aspect in mind.

Principal

English-

SUPPLEMENTARY READER

1. Tiny Teacher.

2. Bringing up Kari

HONEYCOMB

1. THREE QUESTIONS

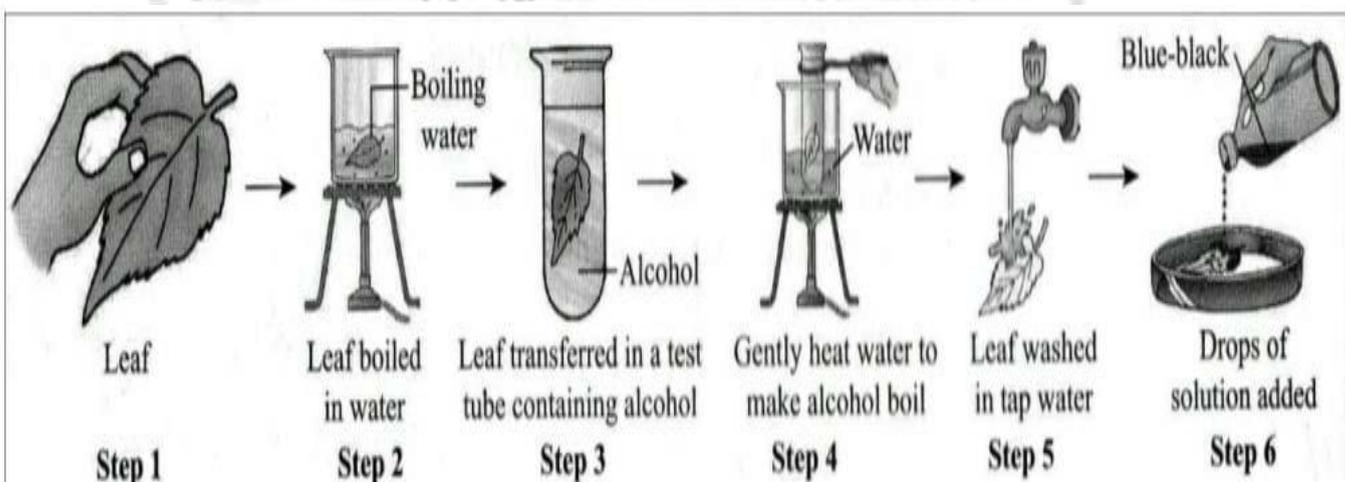2. Gift of Chappals

Poems :

1. The Squirrel

2. The Rebel

Complete your Notes(Question and Answers) . Write Glossary words and learn them. Draw the pictures Related to the Lesson.

2. Write 15 new words from your Reader n make sentence of your own.

3. One page Cursive Handwriting daily.

4. Write 3 News for 10 days in English .ENGLISH HOLIDAY HW

Science-

Q 1. Observe the experiment and answer the following questions:

Leaf	Leaf boiled in water	Leaf transferred in a test tube containing alcohol	Gently heat water to make alcohol boil	Leaf washed in tap water	Drops of solution added
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6

a) Name the solution used for the test.

b) What is the food type stored by the plant's leaf?

c) What will happen after placing the leaf in the alcohol?

d) What does the above experiment prove?

Q 2. 'Leaves- The plant's food factories'. Explain the process with the help of appropriate labeled diagram and equation.

Q 3. Some organisms live together and share both shelter and nutrients. What is this relationship called? Explain with examples.

Q 4. Amoeba do not have mouth and digestive system, so where is the digestion of food taking place? Explain it with diagram.

<u>Activities</u> :-

> ➢ Make your own teeth model by using clay or dough. Also write types of teeth and their functions.

> ➢ With the help of thermometer observe temperature of your body at different time interval. Make a table and record your observations in your notebook.

> ➢ On a chart draw well labelled diagram of human digestive system.

Mathematics-

.Solve these questions-(To be done in a separate notebook)

CH-1 (INTEGERS)

Q 1. At Srinagar temperature was -5^0 C on Monday and then it dropped by 2^0 C on

Tuesday. What was the   temperature of Srinagar on Tuesday? On Wednesday, it

rose by 4^0 C. What was the temperature on this day?

Q2. Mohan deposits Rs 2,000 in his bank account and withdraws Rs.1,642 from it, the

next day. If withdrawal   of amount from the account is represented by a

negative integer, then how will you represent the amount deposited ? Find

the Balance in Mohan's account after the withdrawal.

Q3. Use the sign of >, < or = in the box to make the statement true.

(a)

(-8) +(-4) ....(-8) – (-4)

(b)

(-3) +7-(19) ....15-8+(-9)

(c)

23-41+11 23-41-11

(d)

39+(-24)-(15) ....   36+(-52)-(-36)

(e)

231+79+51. ....   399+159+18

Q4. Write down a pair of integers whose:

(a) Sum is - 7   (b) difference is - 10   (c) sum is 0.

Q5. Write a pair of negative integers whose difference gives 8.

Q6.   Write a negative integer and a positive integer whose sum is – 5.

Q7   Write a negative integer and positive integer whose difference is – 3.

Q8. Fill in the blanks to make the following statements true:

(i)   (- 5) + (…) = (- 8) +(…)

(ii)   -53 + … = - 53

(iii)   17 + …=0

(iv)   [13 + (-12)]=….+[(-12)+(-7)]

(v)   (-4) + […+ (-3)]=[….+ 15] +….

Q9. Find each of the following products:

  (a)   3 × (-1)

  (b)   (-1)×225

      (c)   (-21)×(-30)

      (d)   (-316) ×(-1)

      (e)   (-15) × 0 × (-18)

      (f)   (-12) × (-11) × (10)

      (g)   9 × (-3)× (-6)

      (h)   (-18) × (-5) ×(-4)

      (i)   (-1)× (-2) × (-3) × 4

 Q.10. A cement company earns a profit of Rs 8 per bag of white cement sold and a loss
   ofRs 5 per bag of grey cement sold.

a)

The company sells 3,000 bags of white cement and 5,000 bags of grey cement in a month. What
is its profit or loss?

b)

What is the number of white cement bags it must sell to have neither profit nor loss, if the number of grey bags sold is 6,400 bags?

Ch-2 (Fractions and decimals)

Q.1. Find   (3/4) of 36

Q.2. (4/7) ÷ (3/14)

Q.3. 68.9 ÷ 100
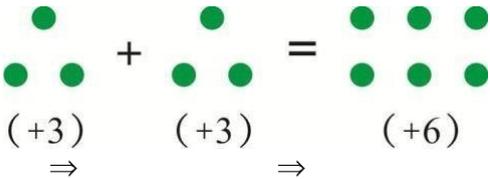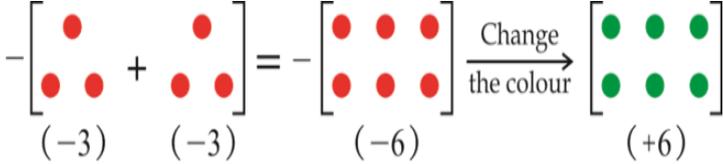
Q.4   2.5 × 0.25

Q.5. (1/10) + (3/5)

Fill in the blanks:

6. A _____ is a fraction that represents a part of a whole.

7. Reciprocal   of $\frac{2}{5}$ is   _____.

8. A fraction acts   as an operator   _____.

9. The product of two proper fractions is _____ each of the   fractions that are multiplied.

10. In a class   of 40 students   of the total $\frac{1}{5}$ number of   students   like to study English,   total of the total of students like to $\frac{2}{5}$ study mathematics and the remaining students   like to study Science.How   many   students like to study English?

Q.11   Sushant reads $\frac{1}{3}$ part of a book in 1 hour. How much part of the book will he read in $2\frac{1}{5}$ hours?

Q.12   Find the average of 4.2, 3.8 and   7.6.

ACTIVITIES:-

Integers	**1. Play with balls**
	
	Description:
	Students are supposed to take two different coloured sketch pens, same number of identical balls are to be drawn for one integer as indicated. Perform activity according to given example. (We know –ve symbol means opposite/change of colour) **Example:**
	
	Let, Green for +ve integer
	
	Red for –ve integer
	
	1) 2 x 3 (2 times 3)
	
	(+3) (+3) (+6)
	⇒ ⇒
	
	2) –2 x (–3) {6}
	     {–2 times
	     (–3)}

	  (–3) (–3) (–6) (+6) Show the following in the form of pictures of balls. (i)–3 x 4 ii)2 x –4 iii) –3 x –4 iv) 4 x 5
Fractions and Decimal	**1. Supermarket sale** **Description:** In the super market there are five shopkeepers A, B, C, D, E. If shopkeeper A sells his 2/3 of products in a day, B sells 3/7 of products, C sells 4/5 of products in a day, D sells 5/6 of products in a day and E sells 7/8 of products in a day, who sells more products in a day? Cut 5 equal circles and represent each fraction on the circles and find the largest fraction and the smallest fraction.

Social Science

1. Design coins of the early mediaeval period.
2. Design a poster on any social inequality.
3. Classify different subtypes of rocks - Igneous, sedimentary and metamorphic.
4. Mark the dynasties emerged in the 7th and 12th centuries on the physical map of India.

Hindi

वसंत-
1-पाठ एक दो और तीन के शब्दार्थ एवं प्रश्न उत्तर यादक रें।

2-महाभारत के पाठ 1 से 10 तक पाठन करेंगे तथा कठिन शब्दों को पुस्तिका में रेखांकित कर उसका उच्चारण कर उन शब्दों को कॉपी में लिखेंगे।

व्याकरणनिकुंज-
3- पर्यायवाची शब्द- 'अंबर' से 'गणेश' तक याद करके कॉपी में लिखें। (पेज नंबर 76)

4-विलोम शब्द- 1. अधिक से 20. उत्तीर्ण तक याद कर के कॉपी में लिखें। (पेज नंबर 79)

5-अनेक शब्दों के लिए एक शब्द- 1 सदा रहने वाला से 15 चिकित्सा करने वाला तक याद कर के कॉपी में लिखें।(पेज नंबर 82)

6-अनुच्छेद लेखन- भारतीय नारी, श्रमका महत्व (पेजनंबर 230 - 231)

7-क्रिया कलाप-गर्मी में पशु-पक्षियों के भोजन व पानी की व्यवस्था हेतु छात्र प्रयास करें तथा अपने आस-पास के पशु-पक्षियों की मदद के लोगों से अपील करते हुए एक नारा अथवा कविता लिखें।

Sanskrit

रुचिरा-
1- पाठ 1, 2 और 3 केशब्दार्थ एवं अभ्यास कार्य को याद करें।

2- **शब्दरूप-** *लता* और *फल* के शब्द रूप याद करके कॉपी में लिखें।(व्याकरण निधि- पेज नंबर 23)

3- **धातुरूप-***पठ्(पढ़ना)*व*भू(होना)*पाँचों लकार याद करके कॉपी में लिखें। (व्याकरण निधि- पेज नंबर 50,51)

4- 01से 40 तक संख्यावाची शब्द हिंदी एवं संस्कृत में कॉपी में लिखें और याद करें।

5- **रचनात्मककार्य-**भारतीय वर्षा नुसारंमासानांऋतूनांचनामानि- (रुचिरा पेज नंबर 17)

Computer

- Learn Ch-1 Computer Software and complete all Exercises and Questions & Answers in fair notebook.
- Read Ch-2 Number System and write Exercises and Questions & Answers in Holiday Homework Copy.
- Project - Mobile Operating Systems have majority use since 2017. Make a scrapbook on different Mobile Operating Systems with their features. Also list all the versions of Mobile Operating systems from 2018 onwards.
- Complete Unit Test Paper - I (pg-143) in book

Art

TOPIC:
- OBJECT DRAWING -page no.8,9
- STILL LIFE (PENCIL) -page no.10
- MADHUBANI PAINTING (COLOUR) -page no.42
- GOW TO DRAW (A BEE) -page no.41
- FISH (CRAFT) -page no.19
- MUSHROOMING (COLOURS) -page no.12
- LAND SCAPE (COLOURS) -page no.20
- MY PAPER LANTERN (CRAFT) -page no.24
- WARLI ART (COLOUR) -page no.52
- BASKET (CRAFT) -page no.31
- HEAD DRAWING (PENCIL) -page no.32
- THE WISE OWL (CRAFT) -page no.33

Dear students,
Share your homework on my personal whatsapp number (9454957302) with the proper mentioning of your name, class and section latest by 15th June 2021.

Music
.- Learn 3 English and 3 Hindi prayers from school Diary.
2.- Learn and write School   Anthem and National Anthem.
3.- Write and prepare any two patriotic songs in your music notebook.