THE ROYAL COLLEGE

WINTER HOLIDAY HOMEWORK

STD - VII

Dear Parents,

We are on the verge of bidding goodbye to 2025 and say 'Hello' to 2026.This is the time when we must introspect, look back, review and reflect upon the entire year to analyze as to how to make it better in the year 2026 for our children. We would like to draw your kind attention towards the following points your ward must adhere to:

➤ Must take care of his/her hygiene and take bath regularly and wear clean and well ironed clothes.

➤ Fitness should be prime focus for students and they must take out time for exercise and outdoor games.

➤ The students must also eat homemade healthy and nutritious food.

➤Take out time to pursue a hobby and widen their horizon of learning.

➤ Identify his/her areas where they need improvement-speaking, writing, reading, math skills and handwriting etc. and garnish them.

➤ Revise all the concepts taught in the class and read the covered lessons thoroughly.

Hope you all have a wonderful vacation time with immense learning and lots of fun.

WISHING YOU AND YOUR FAMILY A HAPPY AND PROSPEROUS NEW YEAR 2026

ENGLISH

Activity1- -i) Read the given story book **"Amazing Stories For Children"** by **"Ruskin Bond"** and prepare book report in given format.**(Purchase book from Amazon and get the book along with HHW to school). https://amzn.in/d/gCbc9Xj**

ii) Be creative! You can colour, draw and decorate your book report on an A3 sheet.

BOOK REVIEW

Title:

Author:

Name:

Date:

Create a new cover for your book.

What was your favorite part of the book? Why?

Quick Summary

Would you recommend this book to a friend?

Yes   No

www.pinkadotselementary.com

Activity 2-

Are you a Or Bucket filler or bucket dipper?

Everyone has an invisible bucket that they carry around with him or her all day. This bucket holds all their feelings. One who spreads and encourages others, spreads love and happiness throughout the world, one who does good is a bucket filler, A bucket dipper does things that make others feel bad (Showing disrespect, over reacting, ignoring)

* Use A-4 sheet, draw two buckets, colour them nicely and label one bucket with bucket filter and other with bucket dipper, Be honest while filling your buckets.

HINDI

हिंदी व्याकरण पेज नंबर 138 से 141 पूर्ण करे।

क्रियाकलाप –

इस क्रियाकलाप को स्क्रैपबुक या चार्ट पेपर पर बनाएं-

MATHEMATICS

Solve all the questions in a separate notebook.

Q1. The sum of two integers is (-25). If one of the integer is 18, find the other integer.

Q2. Meena purchased 2¼ kg potatoes and 3½ kg tomatoes. Find the total weight of vegetables purchased by Meena.

Q3. Find the mean, median and mode of the given data 5, 7, 2, 3, 7, 9, 7, 8, 6, 5, 7

Q4. Solve the following equations

(i) 2x - 8 = 42

(ii) 3y + 4 = -5

Q5. Find the complement of each of the following angles

(i) 55°

(ii) 46°

Q6. Find the ratio of the following

(i) 45 minutes to 1 hour

(ii) 2 m to 50 cm

Q7. If the cost of 15 chocolates is Rs. 600, then find the cost of 5 dozen such chocolates.

Q8. Find the value of x

(i) 30% of 30 m

(ii) 2½% of Rs. 600

Q9. The angles of a triangle are (10x - 5)°, (15x - 10)° and (25x - 5)°. Find their degree measure.

Q10. Find the value of x in the right-angled triangle.

Given : AB = 10 cm, AC = 26 cm and BC = x, angle B = 90°.

Q11. Simplify and write the answer in exponential form

(i) $(4^2 \times 4^5)^3$

(ii) $(-5)^4 \times (-6)^4$

Q12. Find the area of the triangle whose base (BC) = 20 cm and height (AB) = 12 cm.

Q13. Multiply

(i) -4 upon 7 by 5 upon 8

(ii) 6 upon 13 by -13 upon 9

Q14. In a class of 50 students, 10 were absent. What percentage of students were present.

Q15. Mohit bought a watch for Rs. 2500 and sold it at a profit of 6%. Find the selling price of the watch.

Q16. A car covers a distance of 240 km in 4 hours. Find the average speed of the car.

Q17. Find the value of (-20) × (-5) + (-10).

Q18. The product of two numbers is 5 upon 9. If one of them is 2½, then find the other.

Q19. Find the average of the first five whole numbers.

Q20. The length of a rectangle is twice its breadth. If the perimeter is 360 cm, find its dimensions.

Q21. Translate the following as an equation

(i) The sum of 4 times a number and 8 is 46.

(ii) If you add 6 to one-third of x, you get 20.

Q22. Find the value of x in the right angled triangle.

Given: PQ = 10 cm, PR = 26 cm, QR = x, angle Q = 90°

Q23. Find the value of x for each

(i) 20% of x is 40

(ii) x% of 1800 is 90

Q24. Find the supplement of each of the following angles

(i) 95°

(ii) 115°

Q25. Solve the following equations

(i) 10 - 5y = 20

(ii) (2r upon 5) - 1 = 3

Q26. The monthly salary of a person is Rs. 25000. If he gets an increase of 15%, find his new salary.

Q27. What should be added to 23 upon 12 to get 4 upon 3 ?

Q28. Find the perimeter and area of a rectangle, whose length is 70 m and breadth is 40 m.

Q29. Find the height of a triangle whose base is 15 cm and area is 120 cm².

Q30. The radius of a circular pipe is 4cm. What length of a tape is required to wrap once around the pipe ? (Use π = 3.14)

Q31. Simplify $2^3 \times 2^4 \times 5^7$ and write the answer in the exponential form.

Q32. Classify as monomials, binomials, trinomials.

(i) $4a^2b + 19ab$

(ii) pq^2

(iii) $x^2 + 2xy - y^2$

(iv) $xy + 7$

Q33. Find the integer which should be multiplied by (-5) to get 60.

Q34. A square playground is $40\frac{3}{4}$m long. Find its area.

Q35. ΔPQR is an isosceles triangle with PQ = PR, find the other two angles is angle R = 70°

Q36. Divide 30 chocolates between Ansh and Vansh so that there respective share is 40% and 60%.

Q37. A bookseller bought a book for Rs. 150 he sold it for Rs. 240 Find his gain percent.

Q38. A triangle has perimeter 90 cm. The lengths of the sides are in the ratio 5 : 12 : 13. Find the length of the shortest side.

Q39. A man runs around the square park of side 15 m. How many rounds should he take in order to cover 420 m.
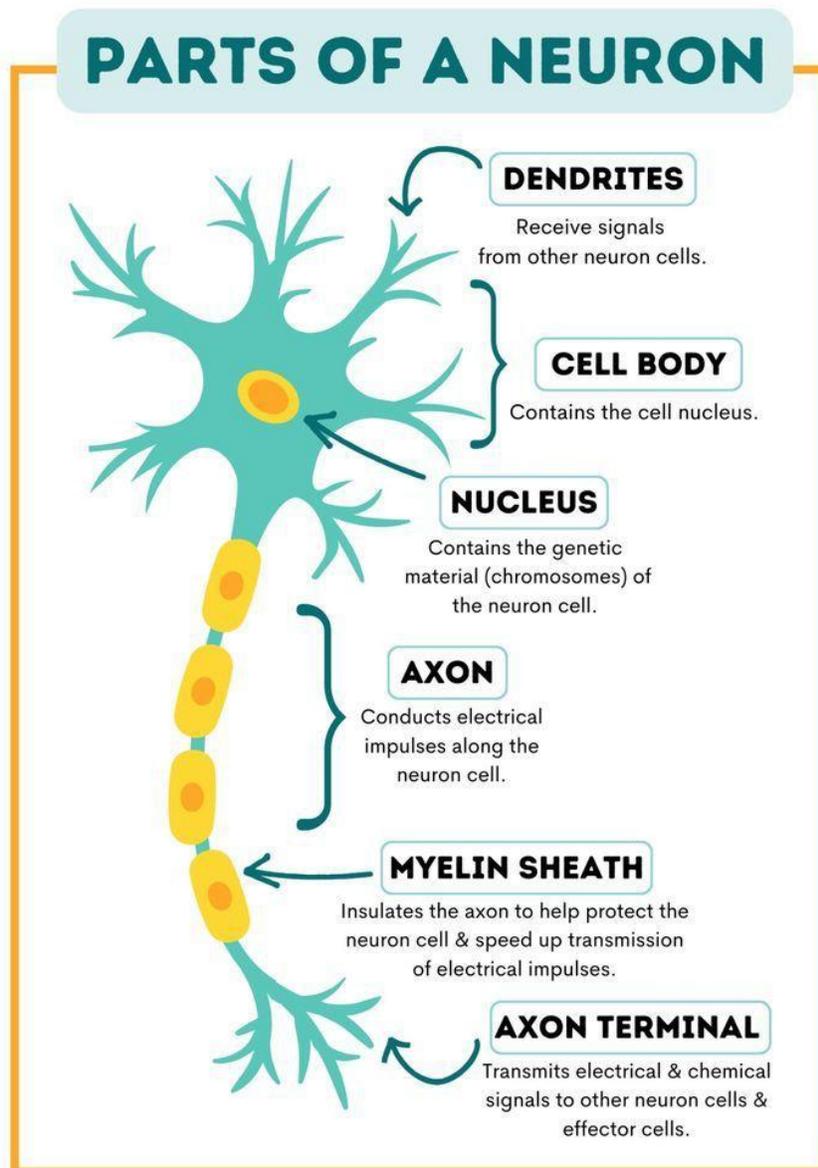
Q40. Learn and write tables (1 to 20).
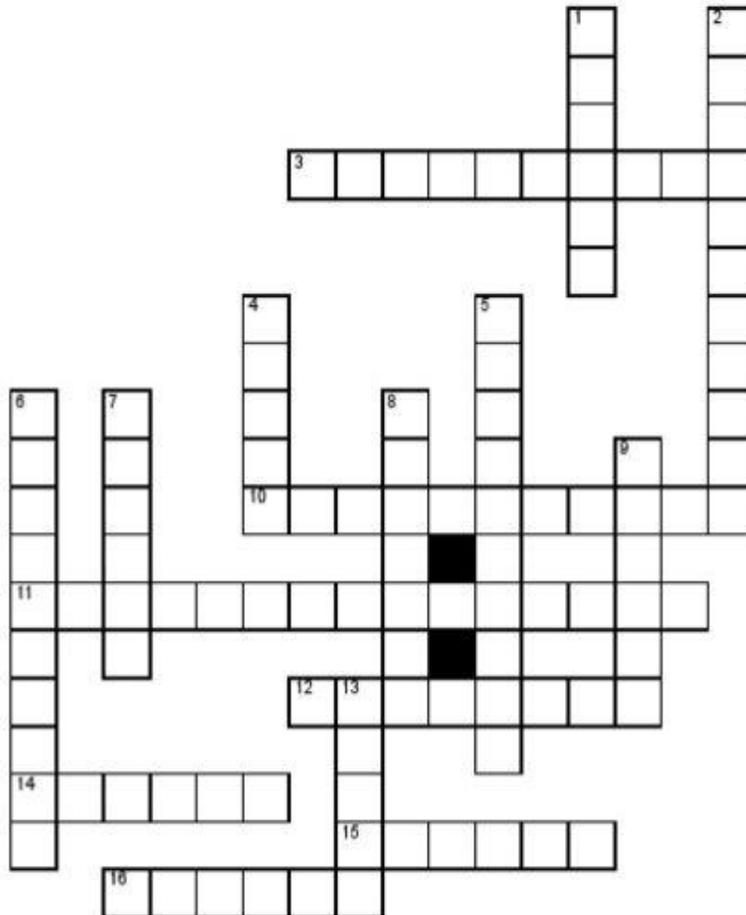
SCIENCE

Activity-1

Neuron Model

Prepare a model of a neuron, showing its part and describe the function of each part in an A3 sheet .

PARTS OF A NEURON

DENDRITES
Receive signals from other neuron cells.

CELL BODY
Contains the cell nucleus.

NUCLEUS
Contains the genetic material (chromosomes) of the neuron cell.

AXON
Conducts electrical impulses along the neuron cell.

MYELIN SHEATH
Insulates the axon to help protect the neuron cell & speed up transmission of electrical impulses.

AXON TERMINAL
Transmits electrical & chemical signals to other neuron cells & effector cells.

Activity-2 Take a printout and solve the following crossword.

Light Crossword

Across

3 The property of light bending as it passes through materials. (10)

10 Materials that only partially allow light to pass through blurring the light as it passes. (11)

11 Light is a form of _____ radiation. (15)

12 The band of colors in a rainbow. (8)

14 Materials that do not allow light to pass through. (6)

15 The space behind an opaque object where light doesn't reach. (6)

16 Light travels fastest in a _____. (6)

13 A glass device that can be used to separate light. (5)

Down

1 A bundle of light energy. (6)

2 Materials that allow light to pass through them. (11)

4 A form of energy that we can see. (5)

5 The distance between one peak and the next in a wave. (10)

6 The property of light bouncing off of materials. (10)

7 A mirror that curves outward. (6)

8 A mirror that curves inward. (7)

9 The material through which light travels (like air or water). (6)

Social Science-

Activity 1-Design your own democracy poster in a chart showing
- Type of government
- voting system
-   3 laws everyone must follow
- Add slogans like 'your voice matters'

Activity 2- Make an awareness poster on natural disasters flood, earthquake, cyclone,drought chart include :
- causes
-   safety tips
-   small illustration

MOST IMPORTANT

- **Write 1 page on importance of "Veer Bal Diwas" in Hindi or English on a colourful sheet.**
  - **90% of the homework is offline Please don't use mobile phone.**

For any query please connect Mr. Dashrath Joshi or Ms. Shivangi Bhandari between 11:00 am to 12:00 noon on 9634319234, 8941845010.