



N.K. BAGRODIA PUBLIC SCHOOL
SECTOR-9, ROHINI, DELHI -110085

HOLIDAYS HOMEWORK



CLASS = 9

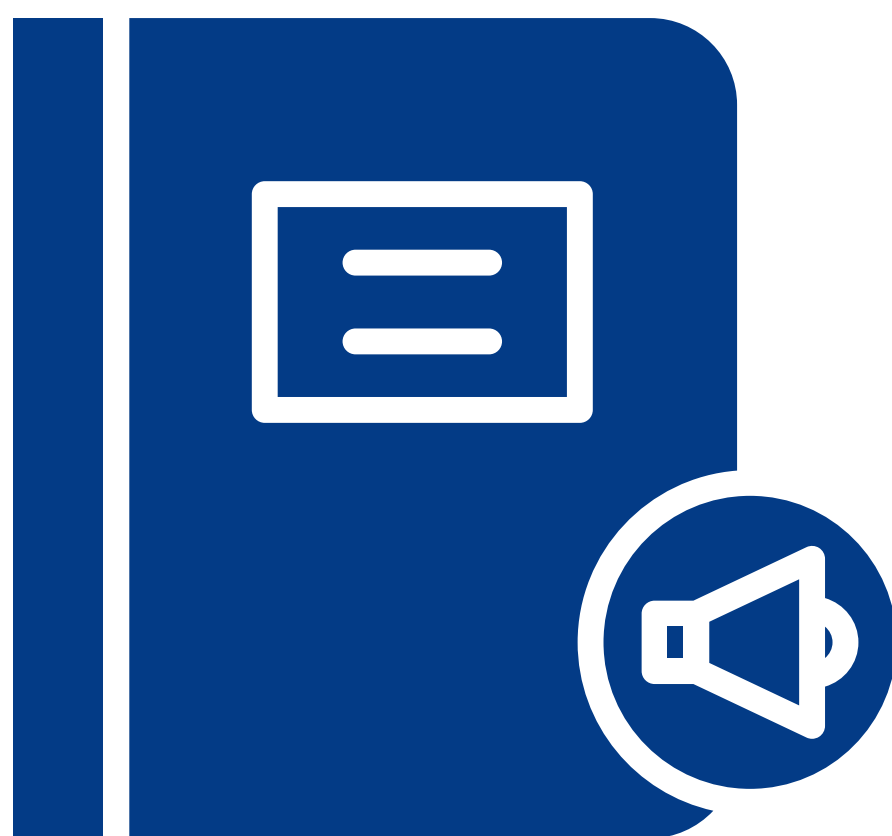
SESSION : 2025 -2026

"Each day is an opportunity to grow wiser and stronger"

ENGLISH

Audio Diary

- Try spending a full day without using a **phone/social media**.
- Record an **audio diary (2–3 mins)** describing how you felt, what you observed, and what you did.
- Submit a written transcript or script as well.



English Around Us

- Click **5 pictures** of English **signs, posters or ads** around your area.

Write **1–2 lines** for each image describing:

- What it means
- If it's correct English
- How it could be improved



HINDI

निम्नलिखित विषयों पर आधारित आकर्षक रूप से एक स्क्रेप फाइल तैयार कीजिए -
1. शार्क टैंक - आप अपना कोई व्यवसाय खोल रहे हैं। इसके लिए निम्नलिखित मुख्य बिंदुओं का समावेश कीजिए -



- (क) शोरूम का एक अच्छा सा नाम रखिए और चित्र बनाइए।
 (ख) विशेष मित्रों और अतिथियों के लिए एक निमंत्रण पत्र तैयार कीजिए।

2. वर्ग-पहेली (दिए गए शब्दों के पर्यायवाची शब्द ढूंढ़िए और उनकी एक सूची बनाइए।)

- अज्ञान
- कविता
- पृथ्वी
- संगीत
- सत्य
- वस्त्र
- उत्सव
- समाज
- युद्ध
- पुरानी

वि	घ	घ	र	गी	ला	प	न	पु	त्र
व्य	य	धा	न	न	म	स	ह	ज	ता
अ	धाँ	गि	नी	इ	रा	दा	अ	नि	ल
सौ	भा	ग्य	शी	ह	र	प्र	म	ज	न
म	त	ल	ब	सु	भी	ता	आ	श	य
ना	ग	गु	म	अ	फ	सो	स	स	प
सि	र	ता	ज	म	ह	रा	रु	स्वा	मी
सु	वि	धा	रु	का	व	ट	दा	ल	क
वे	ग	म	प	ब	न	शी	त	ल	ता
छो	रा	दु	ख	ला	म	वृ	दधि	बा	धा

3. दिल्ली, सिक्किम, अंडमान और लक्षद्वीप संबंधित जानकारी दिए गए बिंदुओं के आधार पर पोस्टर बनाकर चित्र सहित लिखिए।

बिंदु:

- पोशाक
- पर्व
- परंपरा



SANSKRIT

1. 'अंडमान-निकोबार' द्वीपसमूह - स्थित - सैल्यूलर-कारागार - संबंधित - सचित्र - संस्कृतेन पञ्च वाक्यानि तथा द्वीपसमूहस्य प्राकृतिक-सुषमा -संबंधित-सचित्र-संस्कृतेन पञ्च-वाक्यानि लिखतु । (लेखन-पुस्तिकायां करोतु)
2. अंडमान-निकोबार द्वीपसमूह - पर्यटन-यात्रा-हेतुः मित्रं प्रति संस्कृतभाषायां पत्रं लिखतु। (लेखन-पुस्तिकायां करोतु)
3. प्रथम - सावधि - परीक्षा - हेतुः पुनरावृत्तिं करोतु।



FRENCH

A. Heading- Les Transports

France has an extensive and well- developed transportation system.

1. Find out about 10 most preferred means of transport in France by all age groups.
2. Find out about- Le Train à Grande Vitesse or TGV. Write 10 lines about it in French.
3. What is the route of TGV? Find out and write which cities/places it connects?

Do the above project in French notebook .

B. Complétez leçon 1 et 2 du cahier d'exercices.

C. Faites la discription de l' image dans le cahier.
(in the French notebook)

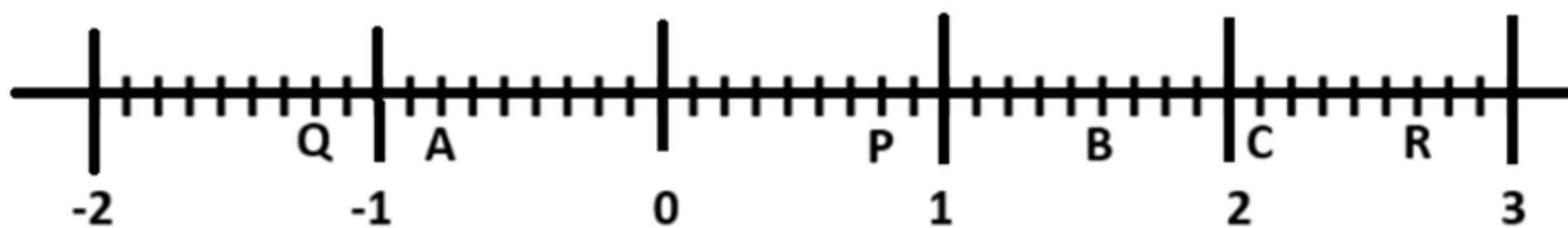


(le diner , en famille , manger , contents , prendre soin , souriant ...)

MATHEMATICS

READ THE QUESTIONS CAREFULLY AND ANSWER THE FOLLOWING (COMPETENCY BASED QUESTIONS):

1. Arun runs $\frac{3}{5}$ km in 6 minutes. If he continues running at the same pace, how far will he run in 30 minutes?
2. A play school has a budget of 50,000. They spent $\frac{3}{5}$ of the budget on excursions, $\frac{1}{4}$ on uniforms and $\frac{1}{10}$ on food. How much budget is left with the school?
3. A square garden has an area of 200 m^2 . The gardener wants to fence it to save it from stray animals. Is the length of the side of the garden rational or irrational?
4. Read the following number line and answer the questions that follow:



- Write the rational numbers represented by A, B, C, P, Q and R.
 - What is the rational number between A and P?
 - What is the distance between B and Q?
 - Find two irrational numbers between C and R?
5. Dravid being a health freak walks x km on 1st day, $(x+2)$ on 2nd day, $(x+4)$ on 3rd day and so on. If he started walking on 1st of May 2025, Form the polynomial of the distance he would have travelled by 5th of May 2025.

MATHEMATICS

6. Manpreet under Make in India scheme, started a toy making factory. If $p(x) = 40x^2 + 50x - 8$ represents the cost (in) of making a toy and x is the number of parts used, then find (a) the number of terms, (b) degree, (c) $p(2)$, and (d) coefficient of x , of the polynomial $p(x)$.

7. The length and breadth of a rectangular field are given as $(2x+3)$ and $(2x - 3)$. What will be the area of the field in x ?

8. A vendor has 28 kg of apples packed in a box. To sell all the apples and gain maximum profit he thought of packing them in small bags of equal weight. The options he had was

(a) 5 bags (b) 8 bags (c) 11 bags

(i) Find the weight of apples per bag.

(ii) Mention the type of decimal expansion.

(iii) Which bag or bags provide comfortable weight?

Inter disciplinary Question

On a hot summer day a thirsty crow was flying here and there in search of water. It had been a long time since he had taken a sip. After flying around for a while, he finally saw few pots in a garden. He flew down quickly and peeped inside each one of them.

There was some water in each pot but not enough for him to reach with his beak.

The clever crow didn't give up. He saw some pebbles lying nearby. An idea struck him!

He thought to pick up the pebbles one by one and drop them into the pot.



MATHEMATICS

Now here lies the trick

(a) He has to pick up only the irrational numbered pebbles and drop them in the respective pot.

(b) He called 5 of his friend crows to quench their thirst too. They came and they saw 5 pots in front of them. They have to pick up and drop the selected pebbles in the respective pots as labelled.

(The numbers can be repeated in more than one pot)

Answer the numbers which will be dropped in the respective pots.



(c) Which pot other than real numbers will have maximum number of pebbles?

(d) Which are the subjects related with this story and why?

Note: Do solve the worksheet to be shared separately in Homework register.

SCIENCE

Explore the given scientific concept and express it through a fun and engaging comic strip using following elements.

- Engaging characters
- A clear narrative or scenario
- Visual storytelling
- Text and dialogue
- Minimum of 4 panels

This interdisciplinary activity, blending science and art, should be presented on an A3 sheet.

You may select any one topic from the list of topics assigned to your section.

9A

- Atomic adventures
- Molecular mayhem
- Metal marvels

9B

- Sir Isaac's not so still life: Newton and its laws
- Gravity game: where falling is part of fun

Force frenzy: Push or pull

9C

- Adventures Cell City
- "The Tissue League: Bones, Blood & Beyond!"
- "Hive & Dive: Tales of Fish and Bees!"

SCIENCE

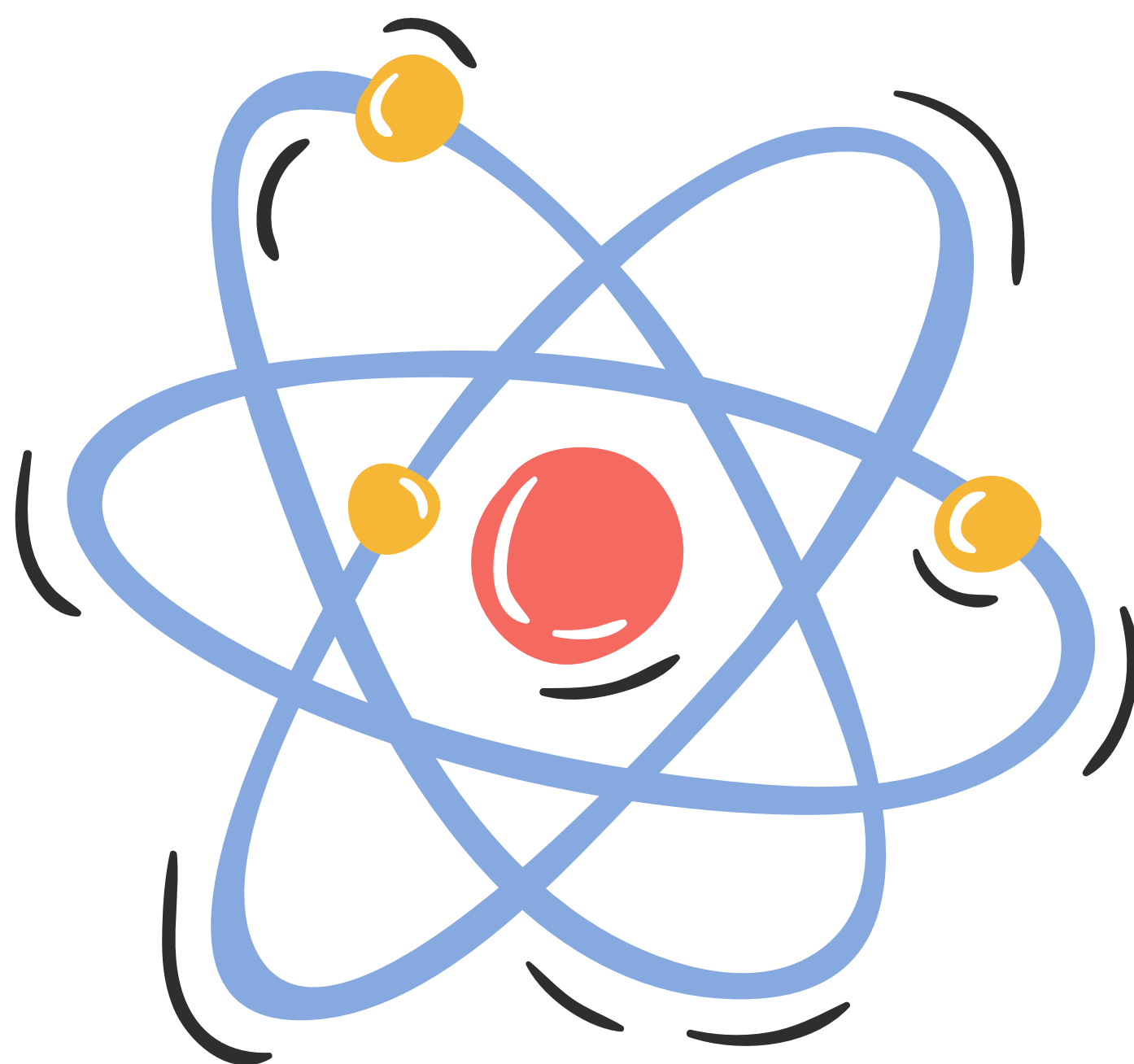
9D

- Adventures of Cell City
- "The Tissue League: Bones, Blood & Beyond!"
- "Hive & Dive: Tales of Fish and Bees!"

9E

- Atomic Adventures
- Molecular Mayhem
- Metal Marvels

This assignment provides an opportunity to demonstrate your understanding of science in a creative and engaging way. We encourage you to be imaginative and have fun while accurately representing your chosen scientific concept.



SOCIAL SCIENCE

"It is not the disaster, but the lack of preparedness to disaster that kills."

Prepare a handwritten or digital project on any one of the related topics on Disaster Management highlighting the importance of preparedness, the impact of disasters, and the human cost of neglect, emphasising the need for proactive measures to mitigate risks and the significance of community resilience in the face of adversity.

Each section should be done on white/coloured **A4 size sheets**. The project should be presented in a file. The project should not exceed **10-15 pages(or slides)**.

Project should be developed in the following sequence:

- Cover page showing title, student information (Name, Class & Roll No) School & Academic Year.
- Acknowledgment.
- List of Contents/ Index.
- Introduction
- Chapters with suitable headings.
(supported with pictures,graphs or any statistical presentation)
- Conclusion. (Summary, Benefits/ Importance of the task).
- Bibliography /References



INFORMATION TECHNOLOGY

Q1. Define the following terms:

- Spreadsheet
- Cell
- Formula
- Function
- Worksheet

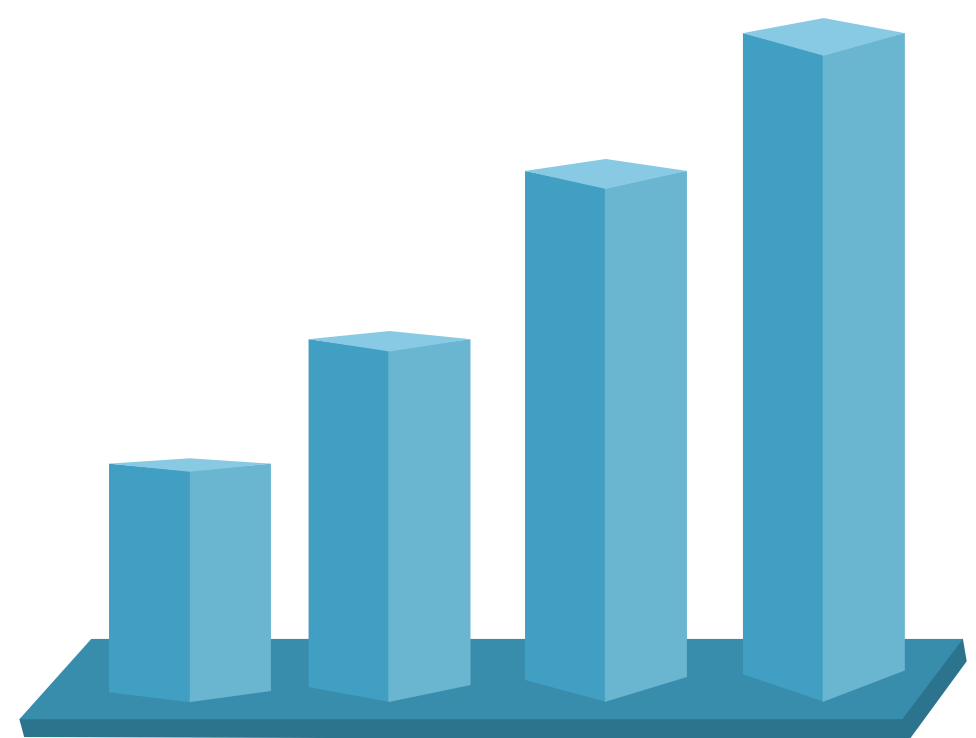
Q2. List 5 common functions used in spreadsheets and write their syntax. (Example: =SUM(A1:A5))

Q3. Write any 5 features of electronic spreadsheets.

Q4. Expense Tracker

Create a table showing daily expenses for 7 days under these headings:

- Date
- Food
- Travel
- Miscellaneous
- Total Expense (use formula to calculate)



Also, create a bar chart showing the total expense for each day. Paste a screenshot of your chart.

SUMMER HOLIDAYS

"Summer holidays are a pause button for life—time to explore, dream, and grow beyond the classroom."

- **Relax and Rejuvenate** – Take time to rest and refresh your mind after a busy academic schedule.
 - **Revise Key Concepts** – Review important topics from the previous year to stay sharp.
 - **Develop a Reading Habit** – Read storybooks, novels, or informative books to improve vocabulary and comprehension.
 - **Explore Hobbies** – Spend time on hobbies like painting, music, sports, or any creative activity you enjoy.
 - **Stay Physically Active** – Play outdoor games or exercise regularly to stay fit and healthy.
 - **Learn New Skills** – Try something new like cooking, coding, a new language, or any online course.
 - **Follow a Routine** – Have a balanced daily routine to manage your time well between rest, study, and fun.
 - **Limit Screen Time** – Avoid excessive use of mobile phones or video games and focus on productive screen use.
 - **Help at Home** – Support your parents in daily chores to learn responsibility and teamwork.
- 