



Einstein

PUBLIC SCHOOL

Nurturing a better tomorrow

SUMMER VACATION HOLIDAY HOMEWORK-2026

Class-VIII

Subject- English

Theme: “English in Action – Speak, Think, Create!”

Rules: Use clear, simple English. Handwritten only. At least 3 on Chart Paper. Do “Interact & Record” with family/friends.

PART A: WRITE & INTERACT – Interact & Record Tasks

Q1. “My Summer Diary” – Diary Entries

Write 4 diary entries, 90-100 words each.

Topics:

- (i) A habit I changed
- (ii) A skill I learned
- (iii) A news that made me think
- (iv) One day I felt proud.

Use simple past tense.

Interact & Record: Read 1 entry to a family member. Write their 2-line feedback below it.

Submit the diary booklet.

Q2. “Letter Chain: Problem & Solution” – Informal Letter

Step 1: Write 120-150 word letter to a friend about “One problem in my city” – traffic, pollution, etc. Suggest 2 solutions using should, must, ought to.

Step 2: Ask your friend/parent to write 50-word reply with their idea.

Interact & Record: Reply is proof of interaction.

PART B: GRAMMAR CHART GALLERY

Q3. "Tense Road Map" – 12 Tenses with Structures + Sentences

Draw a road on a chart paper with 12 stops = 12 tenses. At each stop: Name + Structure + 1 sentence

Ex: Present Perfect Continuous: I have been learning cooking since June.

Make It Clear: Use 3 colors – Past, Present, Future.

Submit the A2/A3 chart paper.

Q4. "Synonym-Antonym Wall" – 50 + 50 Words

Make a brick wall on a chart paper. 50 bricks = Synonym pairs:

Examples

Brave – Courageous

Ancient – Old.

Examples

50 bricks = Antonym pairs:

Accept – Reject, Arrive – Depart

PART C: PROJECTS – LEARN BY DOING

Q5. "My Word Bank" – Vocabulary

Find 30 new words this summer. Make small book: Word | Meaning in simple words | Synonym | Antonym | Your Sentence.

Group: 10 Nouns, 10 Verbs, 10 Adjectives.

Subject- Computer

Teacher's Instructions

- Complete the assignment neatly in a separate notebook/file.
- Use coloured diagrams and charts wherever required.
- Practical activities must be completed sincerely.
- Submit the holiday homework after summer vacation.

Section A – Multiple Choice Questions (MCQs)

Chapter 1: Google Apps

1. Which company developed Google Apps?
a) Apple
b) Microsoft
c) Google
d) Intel.
2. Which Google app is used for sending emails?
a) Google Docs
b) Gmail
c) Sheets
d) Slides.
3. Which Google application is used for online presentations?
a) Google Sheets
b) Google Forms
c) Google Slides
d) Google Drive.
4. Google Drive is mainly used for:
a) Gaming
b) Storage of files online
c) Drawing cartoons
d) Video recording.
5. Which Google app is used to create online forms and quizzes?
a) Gmail
b) Google Meet
c) Google Forms
d) YouTube.

Chapter 2: Animation in Krita

6. Krita is mainly used for:
a) Coding
b) Painting and animation
c) Typing documents
d) Internet browsing.
7. Which feature helps create movement in animation?
a) Frames
b) Filters
c) Tables
d) Charts.
8. Which tool is commonly used for drawing in Krita?
a) Brush Tool
b) Fill Tool
c) Shape Tool
d) All of these.
9. Animation is a sequence of:
a) Songs
b) Pictures or frames
c) Files
d) Programs.
10. Which option is used to save animation work?
a) Open
b) Save
c) Print
d) Exit.

Chapter 3: Trending Technologies

11. AI stands for:
 - a) Automatic Internet
 - b) Artificial Intelligence
 - c) Advanced Input
 - d) Artificial Internet
12. Which technology stores data securely in blocks?
 - a) Blockchain
 - b) Paint
 - c) Animation
 - d) Typing
13. Robots work using:
 - a) Artificial Intelligence
 - b) Chalk
 - c) Books
 - d) Printers.
14. IoT stands for:
 - a) Internet of Things
 - b) Input of Technology
 - c) Internal Online Tool
 - d) Internet of Tables
15. Which technology is used for virtual worlds and gaming experiences?
 - a) VR
 - b) Excel
 - c) Gmail
 - d) Keyboard.

Section B – Fill in the Blanks.

1. _____ is used to store files online.
2. A sequence of frames creates _____.
3. AI means _____ Intelligence.
4. Google Sheets is used for creating _____.
5. IoT devices are connected through the _____.

Section C – True / False

1. Google Drive stores files online.
2. Krita cannot be used for animation.
3. Artificial Intelligence helps machines think and learn.
4. Google Forms can create quizzes.
5. Virtual Reality creates a real-like environment.

Section D – Short Answer Questions

1. What are Google Apps?
2. Write any two uses of Google Drive.
3. What is animation in Krita?
4. Define Artificial Intelligence.
5. What is the use of IoT in daily life?

Section E – Long Answer Questions

1. Explain different Google Apps and their uses.
2. Describe the steps to create a simple animation in Krita.
3. Explain the following trending technologies with examples:

- Artificial Intelligence (AI)
- Internet of Things (IoT)
- Blockchain
- Virtual Reality (VR)

Section F – Practical Activities

Activity 1: Google Apps

Create:

- One Google Doc
- One Google Sheet
- One Google Form

Take screenshots and paste them in your notebook/file.

Activity 2: Krita Animation

Create a simple animation such as:

- Moving ball
- Flying bird
- Smiling face animation

Use:

- Frames
- Timeline
- Brush Tool
- Layers

Activity 3: Trending Technologies Project

Prepare a mini project/chart on any one topic:

- Artificial Intelligence
- Robotics
- Blockchain
- Internet of Things
- Virtual Reality

Include:

- Definition
- Uses
- Advantages

- Pictures/Diagrams

Section G – Creative Homework

1. Draw logos of any five Google Apps.
2. Make a poster on “Future Technologies”.
3. Write 10 advantages of Artificial Intelligence.
4. Create a colourful chart showing different types of smart devices used in IoT.

Section H -Book Exercise

1. Do fill exercise chapter 3 to 5.
2. Learn question answer chapter 1 and 2.

Subject- Mathematics

1. Square and Square Roots **Theme: “Math Around the World”**

- Define square numbers and square roots with examples.
- Activity: Make a ‘Square Garden’ chart using colorful square tiles.

2. Cubes and Cube Roots

- Define cube numbers and cube roots.
- Creative Model: Make a cube tower using paper cubes or matchboxes.

3. Exponents

- Explain base, exponent, and power.
- Laws of Exponents:
- Activity: Draw an Exponent Tree.

4. History of Numbers

- Egyptian Number System – Use symbols for counting.
- Abacus Number System – Ancient counting tool using beads.
- Roman Number System – I, V, X, L, C, D, M.
- Chinese Number System – Ancient rod and symbol counting method.

5. Creative Activities & Models

- Make a Maths Scrapbook with puzzles and facts.
- Create an Abacus Model using cardboard beads etc.
- Prepare a Pop-Up Maths Chart.

6. Fun Maths Tricks

- Square Trick: $25^2 = 625$
- Cube Trick: $11^3 = 1331$
- Write some tricks and patterns that you have learned In classroom in chapter square and cubes etc.

7. Real-Life Applications

- Squares are used in floor tiling and gardens.
- Cubes are used in boxes and buildings.
- Exponents are used in science and computers.

8. Conclusion

- Write what you learned and your favorite activity.

Teacher's Note

Use neat handwriting, colorful charts, and creative

Subject- Hindi

1- कल्पना कीजिये कि एक पत्थर आपको अपने बारे में बता रहा है तो वह क्या क्या बातें बताएगा? 50 शब्दों में लिखिए।

2-मान लीजिये कि आप के घर में गौरैया अपना घर बना लेती हैं तो उन्हें देखकर आप क्या करेंगे?

3- गौरैया पक्षी पर चित्र सहित एक परियोजना

(Project) अपनी फेयर कापी में बनाइए।

4- वर्णों के उच्चारण स्थान का रंगीन चित्र बनाइए।

5-आपके विद्यालय में कौन कौन सी भाषाएं पढ़ाई जाती हैं? उनका परिचय २०-२० शब्दों में लिखिए।

6- ऐसे १० शब्द लिखिए जिनमें उपसर्ग -प्रत्यय का एक साथ प्रयोग हुआ हो।

7- संधि सारिणी बनाइए।

संधि सारिणी

स्वर संधि

दीर्घ संधि। गुण संधि। यण संधि। वृद्धि संधि अयादि संधि (सभी के २-२ उदाहरण)

व्यंजन संधि

पांच उदाहरण

विसर्ग संधि

पांच उदाहरण

Subject- Science

Scrapbook / Chart Paper - (Do any one)

- Paste pictures of 5 microorganisms: bacteria, virus, fungi, protozoa, algae. Write 1 useful + 1 harmful effect of each. Test
- Paste symbols of electric components - cell, battery, bulb, switch, wire, fuse, electromagnet. Also paste 3 pictures of devices at home using heating effect + magnetic effect: heater, MCB, electric bell.
- Make a well labelled chart on chart paper showing:
Types of microorganisms with diagrams ,where they're found and their daily uses.
- Labelled diagram of an electromagnet showing coil, iron nail, battery, switch. Also show Oersted's experiment setup.

Poster / Report / (Create) Making - (Do any one)

- Prepare a colourful poster on
'Good Microbes in Our Kitchen'
Or
'Electricity Safety at Home: Heating & Magnetic Effects'.
- Create 10 lines poem on a chart paper titled 'Unseen Power Around Us' covering both microbes helping us or electricity changing our life.
- Write a report on the biography of Antonie van Leeuwenhoek. Include how his discovery of microbes relates to Hans Christian Oersted's discovery of magnetic effect of current.
- Prepare a working electromagnet using nail + copper wire + cell. Decorate it and write 5 lines on: "How electromagnets help us like friendly microbes help us".

Plantation Activity / Environmental Activity - (Do any one

- Grow fungus on 2 bread slices: one with salt, one without. Keep one in sunlight, one in dark. After 7 days, note growth. Also make a lemon cell using lemon + copper coin + zinc nail to glow a small LED. Take pictures and write how moisture helps microbes + how chemical energy gives electricity.

- **Do a 'Home Science Week':**

Day 1-3: Make curd, observe fermentation time. Note how temp affects it.

Day 4-6: Check all MCBs, fuses, and appliances using heating effect at home. Note wattage. Calculate units if used 1 hr daily.

Day 7: Make a report with photos on both activities.

- Put an earthen pot with compost to show decomposition by microbes. Fix a small solar panel + LED nearby for night. Write how microbes recycle waste and electricity from sun helps us in summer.

Model making – (Do any one)

- **Make a combined working model**

'Microbe + Magnet Lab' - Cardboard box with 2 sides. Side 1: Clay model of bacteria, virus, fungi with labels. Side 2: Working circuit with electromagnet lifting pins when switch is on. Use waste materials. Decorate and label.

- **Smart Home Health & Safety**

3D house with kitchen showing: fridge labelled 'cold slows microbes', electric bell circuit on door, heater with safety fuse. Add data table of 3 diseases caused by microbes, 3 appliances using heating effect.

- **Invisible World Garden**

Mini tray with yeast dough rising or small electromagnet crane model lifting paper clips. Explain conditions for microbe growth or magnetic effect of current. Add solar LED for night.

- **Make 3-D model of Animal cell or Plant Cell**

- **Make 3 D model of Voltaic Cell .**

- **Save Earth Wheel**

Rotating wheel chart: 1/4 shows useful microbes, 1/4 shows harmful microbes, 1/4 shows heating effect uses, 1/4 shows magnetic effect uses + 'Say No to Wastage of Electricity'.

- **Scientist Timeline Circuit**

Timeline of Antonie van Leeuwenhoek + Hans Christian Oersted on chart. Each scientist's name connected with copper wire + LED circuit that lights when you press their discovery.

Subject- Social Studies

Book: Exploring Society: India and Beyond (New NCERT)

SHEET 1: HISTORY — Reshaping India's Political Map

Theme: Be the Map-Maker of History

1. Imagine that you are a news reporter in the year 1556,1690 or 1857.
2. Choose any ONE personality: Akbar, Aurangzeb, or Shivaji Maharaj.
3. Write an imaginary interview of about 150 words with your chosen personality.
4. Your interview must include the following questions:
 - a. What did you control?
 - b. What changed after you?
 - c. What message would you like to give to students today?
5. Draw the following on the back side of the sheet:
 - Political map of India during their time
 - Political map of India today
6. Label any three major changes in boundaries or political power between the two maps.

SHEET 2: GEOGRAPHY — Natural Resources and Their Use

Theme: Resource Detective Agency

7. Choose any ONE resource: Forest / Water / Mineral / Soil.
8. Draw the journey of the resource from: Source → Use → Misuse.
9. Show at least four stages using arrows and pictures.
10. Label one sustainable practice and one unsustainable practice.
11. Write a creative slogan related to conservation of resources.
12. Write five points FOR the statement: "India is using its natural resources wisely."

13. Write five points AGAINST the statement: "India is using its natural resources wisely."
14. Bonus Activity: Record a 1-minute voice note as if you are speaking in the school assembly on the topic of natural resource conservation.

SHEET 3: CIVICS — Universal Franchise & India's Electoral System

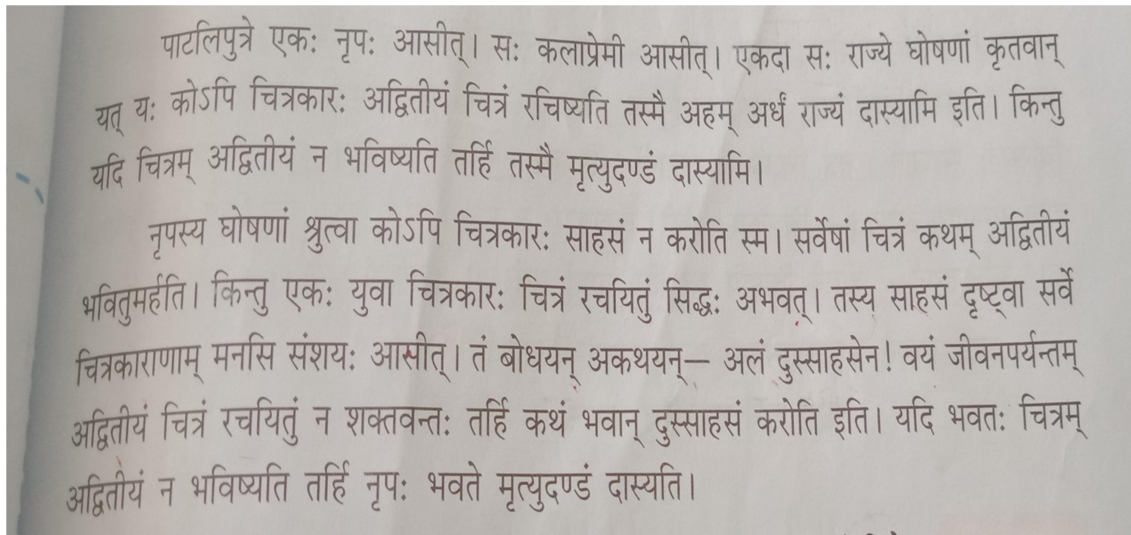
Theme: Democracy in My Backyard

14. Prepare a chart showing the Chief Election Commissioners (CEC) of India from 1950 to 2026.
15. Mention the following details in the chart:
- Serial Number
 - Name of CEC
 - Tenure (From – To)
 - One Major Election / Reform under them
16. Continue the chart till the present Chief Election Commissioner (2026).
17. Why is the Election Commission called an "independent body"? Write your answer in 3 lines.

Note:- Learn difficult word from the explained Chapters.

Subject- Sanskrit

- 1- सुभाषितानि पाठ के प्रथम तीन श्लोक को कंठस्थ करें एवं हिंदी अर्थ लिखें
- 2- निम्नलिखित गद्यखंड का हिन्दी अर्थ लिखिए



3- एकपदेन उत्तरत् -

क- नृपः कुत्र आसीत् ?

ख- युवकः कीदृशः आसीत् ?

ग- पुण्याय कः अस्ति ?

घ- मनुष्याणाम् महारिपुः कः ?

घ- अस्माभिः सर्वदा किम् ध्यातव्यम् ?

4- पूर्ण वाक्येन उत्तरत्

क- भव्या कदा अध्ययनं करोति ?

ख- नृपः कीदृशः आसीत् ?

ग- मूर्खस्य कानि चिह्नानि ?

घ- कुत्र वासः न कर्तव्यः?

5- निम्नलिखित पदों के मूल शब्द एवं विभक्ति वचन लिखिए

रामात्, पठने, नृपस्य, गजः,

6- पाठ एक की सूक्ति चार्ट पेपर पर लिखकर लाएं ।

7- कारक की परिभाषा चिह्न सहित लिखे व याद करें।