

BRCM GYANKUNJ SCHOOL BAHAL
SUMMER HOLIDAY HOME WORK-2026
CLASS-X

SUBJECT	ASSIGNMENT
ENGLISH	<p>1. Literature Exploration Choose any 4 chapters (two from First Flight and two from Footprints without Feet) and a poem and do the following: - Write a summary in 100–150 words - Character sketch of any two characters with evidence from the text - 5 new vocabulary words – meaning + sentence - Theme/Moral of all the chapters</p> <p>2. Analytical Paragraph Do any four analytical paragraph of your choice based on pie chart or table. Instructions: ☑ Interpret the information and trends shown. ☑ Write an analytical paragraph in about 120–150 words. ☑ Focus on comparison, contrast, and key observations. ☑ Use linking words like whereas, however, while, in contrast, etc.</p> <p>3. Write the following letters. (A) As Karma Sood/Kalyan Sood, a responsible citizen and resident of 41B, Global Village, Jaknet Nagar, you have noticed that there are no proper pavements to walk on the sides of all the main roads in your city, which puts the lives of pedestrians at danger. It also causes air pollution when high speed vehicles run through the muddy path. Write a letter to the editor of a national daily in about 120 words to highlight the issue, and bring the attention of concerned authorities to take prompt action. (B) You are Mahesh / Madhu, a devotee of Lord Shiva and want to go on a pilgrimage to the Mount Kailash. Write a letter of enquiry to the tourism department New Delhi asking for details for the pilgrimage. You can ask details like tour cost, duration, health checkups required, accommodations available, articles required, etc. (C) The Computer Hub, Chanakyapuri, New Delhi has advertised a discount of 20% on all types of computers and related hardware. You are Rahul, owner of Softpoint Innovations, 110- 111, Nehru Place, New Delhi. Place an order for suitable items for your company. (D) You are Kushal living at 123, Gaur City, Bengaluru. The continuous leaking of drain pipes in your colony is causing diseases and health complications for the residents. Write a complaint letter to the Municipal Commissioner to take necessary actions regarding the same.</p>
HINDI	<p>निर्देश -ये सभी गृहकार्य विद्यालय की प्रैक्टिकल फाइल में करना है। 1-किन्ही चार विषयों पर अनुच्छेद लेखन कीजिए। 2- तीन - तीन विषयों पर औपचारिक एवं अनौपचारिक पत्र कीजिए। 3-किन्ही तीन -तीन विषयों पर स्ववृत्त लेखन एवं ईमेल लेखन कीजिए। 4-तीन -तीन विषयों पर संदेश लेखन एवं विज्ञापन लेखन कीजिए।</p>

- 5- सभी अलंकारों के पांच पांच उदाहरण लिखिए
 6- किन्हीं 10 पदों का पद परिचय कीजिए
 7- किन्हीं 10 संयुक्त एवं मिश्र वाक्यों को सरल वाक्य में परिवर्तित कीजिए
 ।
 8- किन्हीं 10 कर्मवाच्य एवं भाववाचक वाक्यों को कर्तृवाच्य में परिवर्तित कीजिए।

SCIENCE

Biology :

1. Complete the practical file work shared in your class group neatly and in proper format.
2. Prepare an assignment on any one of the following topics:
 - Environment and Waste Management Practices
 - Haemodialysis
 - Diabetes
 - Thyroid Imbalance

Instructions for Assignment

- 15–20 handwritten pages
 - Include coloured diagrams/pictures
 - Add introduction, main content, conclusion, and bibliography
3. Diagram Practice (in assignment file)
 - Human Digestive System
 - Human Respiratory System
 - Human Heart
 - Human Excretory System
 - Nephron
 - Stomata
 - Structure of Leaf
 - Amoeba Nutrition
 4. Solve all the questions shared in your class group in your Biology PYQ notebook.

Chemistry:

Chapter 1: Chemical Reactions and Equations – Written Work

- Write and balance 25 chemical equations.
- Write 20 MCQs from the chapter.
- Solve all NCERT exercise questions.

A .Chapter 1: Activity Work

Paste/draw pictures showing Rusting, Burning of magnesium ribbon, and Electrolysis.

Prepare a chart of 'Types of Chemical Reactions'.

Chapter 2: Acids, Bases and Salts – Written Work

- Write definitions with examples: Acid, Base, Salt, Indicator.
- Write 20 MCQs from the chapter.
- Solve all NCERT exercise questions.

B. Chapter 2: Activity Work

Make a table of natural indicators and their colour changes.

Prepare a small experiment record of Turmeric indicator, China rose indicator, and Litmus paper test.

C. Assignment Work

Assignment 1: Everyday Chemical Reactions Around Us.

Include photos/drawings, examples from kitchen/home, and at least 5 reactions with equations. Assignment 2: Importance of Acids and Bases in Daily Life.

Include Tooth decay, Soil treatment, Antacids, Bee sting treatment, and Factory uses.

Portfolio Work

1. Cover page with student details
2. Index page
3. Learning objectives of both chapters
4. Important formulas and reactions
5. Diagrams and activities
6. Self-written conclusion
7. Teacher's remarks page

Physics:

Instructions

- Complete all work neatly in your physics notebook/file.
- Draw diagrams using pencil and ruler only.
- Maintain proper headings and subheadings.
- Submit the homework after summer vacation.

Chapter 1: Light – Reflection and Refraction

1. Numerical Practice

- 1 A concave mirror has focal length 15 cm. Find its radius of curvature.
- 2 An object is placed 30 cm from a concave mirror of focal length 20 cm. Find image distance.
- 3 A convex lens has focal length 25 cm. Find its power.
- 4 Calculate the power of a lens having focal length 50 cm.
- 5 An object is placed at 2F of a convex lens. Draw ray diagram and write image position.

2. Activity Work

- Observe images formed by a plane mirror at different distances.

- Trace the path of a ray of light through a glass slab.
- Show refraction using a pencil dipped in water.
- Make a chart of uses of concave and convex mirrors in daily life.

3. Diagram Practice

- 1 Reflection from a plane mirror
- 2 Concave mirror ray diagram
- 3 Convex mirror ray diagram
- 4 Refraction through glass slab
- 5 Convex lens image formation

4. Assignment Work

- Uses of mirrors and lenses in everyday life
- Applications of refraction in nature

Chapter 2: The Human Eye and the Colourful World

1. Long Answer Questions

- 1 Explain the structure and working of the human eye with diagram.
- 2 Explain defects of vision and their correction.

2. Project Work

Prepare a project file on any one topic:

- Importance of eye care
- Eye defects and its correction.

Include:

- Introduction
- Diagrams
- Daily life applications
- Conclusion

SOCIAL SCIENCE	<p>Q1. Make a Project File on ANY ONE of the following topics with the help of your textbook, Internet etc. [Minimum 8 Pages]</p> <ol style="list-style-type: none"> 1. Consumer Awareness 2. Social Issues 3. Sustainable Development <p>Decorate your file with relevant Maps, diagrams, Pictures etc.</p> <p>Q2. Complete the given important questions of your test book geography chapter 1 to 6</p> <p>Q3. Practice map skill of geography chapter 1 to 7(as per map syllabus of CBSE)</p> <p>Points to note for submitting the project:</p> <ol style="list-style-type: none"> a.It should be a handwritten project. Cover page showing project title, schools name, students name, class and section and academic session (year) b. You can use newspaper cuttings, maps, graphs, diagrams and material from the web. c. Your project work should be presentable
AI	Write 15PythonPrograms in a Practical File.

MATHEMATICS

Mathematics:-

1-LAB MANUAL (BOOK- CBSE SUPPORTING MATERIAL)

S.NO	CHAPTER	PAGE NO	TOPIC
1	Real Number	10	Practice-test
2	Polynomial	20	Practice-test-2
3	Linear Equation of two variable	30	Practice-test-3

4	Quadratic Equation	49	Practice-test-4
5	Arithmetic Progression	67	Practice-test-5
6	Statistics	200	Practice test-6
7	Probability	219	Practice test-7
8	Real number	221/222	Case study-1and2
9	Polynomial	223/224	Case study-3and4
10	Pair of linear Equ	225	Case study-5
11	Quadratic Equation	226/227	Case Study-6

2- PORTFOLIO- (BOOK- CBSE SUPPORTING MATERIAL)

(On Practical File Page)

Page- 1,11 ,12 ,22 ,31 and 50

3-Fair note book- (BOOK- CBSE SUPPORTING MATERIAL)

PAGE- 5 and 6 (Q41 to 52)

Page-16-(Q41 to 51)

Page -33 and 34 (Q11 and Q19)