Holiday Home-work

Class IX – Science

Science

(I)Very Short Answer Questions 1.What is a mixture?

2.Define homogeneous mixture.

3.Give one example of a heterogeneous mixture.

4.What is a solution?

5.Name the method used to separate sand and water.

6.What is filtration?

7.Define solute and solvent.

8.What is sedimentation?

9Name one method to separate immiscible liquids.

10.What is evaporation?

(II) Short Answer Questions

11.Differentiate between homogeneous and heterogeneous mixtures.

12.How can you separate salt from saltwater?

13.Write any three methods of separation of mixtures.

14.Explain sublimation with an example.

(III)Long Answer Questions

15.Describe different types of mixtures with suitable examples.

16Write the differences between solution, suspension, and colloid.Activity-Based Work

(IV)Experiment:

17.Separate a mixture of sand and salt. Write steps and observation.

(V)Home Activity:

18.Try separating oil and water using a simple method and note your findings.

(VI) Case/Competency-Based Questions

19.A student is given a mixture of iron filings and sand.

(i)Which method will be used? Explain.

(ii)Why is filtration not suitable for separating dissolved salt from water?

(iii)A mixture contains substances that sublime and do not sublime.

How will you separate them?

20.A liquid mixture has two components with different boiling points.

Which method will you use and why?

Biology

1-Explain cell Theory.

2-write differences between osmosis and diffusion

3-Write the functions of nucleus.

4-What is Endoplasmic reticulam. Write its functions.

5-draw the diagram of nucleus of cell.

6-Draw the diagram of plant cell.

7-write the functions of ribosome.

8-Write the functions of Golgi complex.

SOCIAL SCIENCE

1. Prepare a project on disaster management as per the guidelines issued by CBSE it should cover the following headings acknowledgement, contents,preface, Types of disaster. PRRP plan, conclusion, bibliography
2. Map of India Mark all the states and capital

3.In a map of world mark all the continents and oceans

4.For the ebsb project prepare project file on Meghalaya

5.Prepare a paragraph on world environment Day June 5.

Maths

Lab Activities: Do the following activities using graph/ colour papers/ geometry box:

1)Construct square root spiral.

2)Geometrical interpretation of factor of a quadratic expression.

3)Project: Make a file to represent 10 basic algebraic identities with their verification.

4)Assignment:

(i))Write and learn table of 2 to 20.

(ii)Write and learn squares and their roots upto 30.

(iii)Write and learn cubes and cube roots upto 20.

5)Solve 5 questions from each chapter of CRM.

Portfolio

हिन्दी

१ साक्षात्कार - विषय पर 2 मित्रों के बीच संवाद

२ निबंध लिखो - वैश्विक आपदा, भारतीय अर्थव्यवस्था

३ कहानी लेखन - मुंशी प्रेमचंद की कोई ३ कहानी

४ किन्हीं 2 विषयों पर विज्ञापन लिखो

Art Home work

Class -IX

Draw any one animal drawing using Pencil.

Draw any festival drawing using colour.

Draw one warli painting using colour

Art Portfolio file

Vocational Education

Objective: To develop basic life skills and self-help habits.

Focus: Learning by doing, creativity, and real-life skill development.

Activities:

1.Skill Project

O Choose one: cooking / stitching / digital presentation.

O Write steps, materials, and learning.

O Make a pen stand or toy using waste material.

O Make a paper lamp / chess board/ Ludo & ladder.

O Make a project model of your interest.

2.Career Awareness

O Research one career and explain skills, education, and scope.

3.Interview Activity

O Interview a worker and write 8–10 questions and answers.

4.Small Business Plan

O Plan a simple business idea with cost and profit.

General Instructions:

• Maintain neat and clean work.

• Use a separate notebook/file.

• Include drawings, pictures, and creativity

English

PM SHRI KENDRIYA VIDYALAYA
CRPF BIJNOUR, LUCKNOW

तत त्वा यामि ब्रह्मणा वन्दमान
केन्द्रीय विद्यालय संगठन

SHIFT-I

SUMMER HOLIDAY HOMEWORK

ENGLISH

CLASS IX

READ • WRITE • THINK • EXPRESS

A READING SKILLS

Read any 3–4 chapters from your Kaveri textbook.

For each chapter, write:

- Title
- Author / Poet
- Main Characters
- Summary (120–150 words)
- Theme / Message

B WRITING SKILLS

1. **Paragraph Writing (any 3)**
   (120–150 words each)
   - Importance of Discipline
   - Social Media: Boon or Bane
   - A Visit to a Historical Place
   - My Favourite Teacher
   - Environmental Pollution
2. **Article Writing**
   Write an article (120–150 words) on:
   "Importance of Time Management for Students"
3. **Letter Writing (Formal)**
   Write a letter to the Principal requesting:
   "Permission to organize a cleanliness drive in your school"
4. **Diary Entry**
   Write a diary entry about:
   "An unforgettable day during your summer vacation"

C GRAMMAR PRACTICE

1. **Tenses**
   Write 5 sentences each in:
   - Present Tense
   - Past Tense
   - Future Tense
2. **Active and Passive Voice**
   Change into passive voice:
   - She wrote a poem.
   - They are playing cricket.
   - He will complete the work.
3. **Direct and Indirect Speech**
   Change into indirect speech:
   - He said, "I am happy."
   - She said, "I have finished my homework."
4. **Modals**
   Fill in the blanks using suitable modals (can, could, must, should, may):
   - You ____ respect your elders.
   - ____ I come in?
   - We ____ finish our work on time.

D CREATIVE WORK

1. **Poster Making**
   Make a poster on:
   - Save Water
     OR
   - Say No to Plastic
2. **Story Writing**
   Write a story based on the idea:
   "Where there is a will, there is a way"
3. **Vocabulary Enhancement**
   Learn and write 20 new words.
   Include meanings and sentences.

E SPEAKING & LISTENING

Prepare a speech (2–3 minutes) on:

- Importance of Education
  OR
- Role of Youth in Nation Building

Good thoughts
Good words
Good actions
Better future!

GENERAL INSTRUCTIONS

- Do your homework neatly and on your own.
- Use A4 sheets / Notebook as required.
- Make it creative and colourful.
- Submit on the opening day after the vacation.

BE CREATIVE!
BE ORIGINAL!
DO YOUR BEST!