



FIRAYALAL PUBLIC SCHOOL RANCHI
SUMMER HOLIDAY HOMEWORK (2026-27)

GRADE: -IX

English:-

Make a project on the topic "Bharat Our Land" showing the significance of India. And also explain about various vocations of India. Paste pictures to design your project.

हिन्दी:-

1. व्याकरण की किताब से 5 औपचारिक पत्र लिखें।
2. दो बैलों की कथा से अपने पसंद का कोई अंश लेकर उसका नाट्यरूप (संवाद लेखन) तैयार करें।
3. अपने पसंदीदा पालतू पशु- पक्षी के बारे में बताते हुए उसका चित्र, दिनचर्या और चित्र के साथ एक फोल्डर तैयार करें।

Mathematics: -

Q1. Case Study: Coordinate Geometry (Grade 9)

A school is planning a small park on a coordinate plane. Different objects in the park are represented by points.

Fountain = A(2, 3)

Bench = B(2, 8)

Gate = C(7, 3)

Tree = D(7, 8)

Use the information to answer the following questions.

Questions

- i)What is the distance between the Fountain and the Bench?
- ii)What is the distance between the Fountain and the Gate?
- iii)Name the pair of points that lie on the same horizontal line.
- iv)Name the pair of points that lie on the same vertical line.
- v)What type of figure is formed by joining points A, B, C, and D?

Case Study 2:- City Map

Q2) On a city map, important locations are represented by the following points:

Hospital H(-4, 2)

Market M(3, 2)

Library L(3, -5)

Park P(-4, -5)

Questions

i) Which points lie on the same horizontal line?

ii) Find the distance between H and M.

iii) Find the distance between M and L.

iv) In which quadrant does point L lie?

Science:-

(PHYSICS)

1). Draw all the Graphical representation of distance- time in Stick file and also use the Graph paper for drawing all the graph

2). Draw all the Graphical representation of velocity time in Stick file and also use the Graph paper for drawing all the graph

(BIOLOGY)

1). Prepare an interactive cartoon-based comic strip to depict key concepts in cell biology. You can show it through a funny conversation between two or more cell organelles.

Prepare it on A-4 size paper.

2). Complete the notebook and revise the portions completed.

(CHEMISTRY)

Topic: Paper Chromatography

Perform paper chromatography to identify the different colours present in black ink.

Separate the components of ink using the paper chromatography technique.

Paste the chromatographic paper strip in your notebook.

Write a brief description of the paper chromatography technique, including its principle, procedure, and applications.

Social science: -

Make a comparative study between the old Stone Age (pre historic period) and the modern era.

Computer: -

Students do it in Stick-File

Excel Project:

Excel Activity: Create an Excel sheet displaying the marks of 5 subjects for 10 students, using formulas to calculate total, percentage, average, and highest marks. Heading text colour yellow & bold and fill (highlight) colour blue, total, percentage, average, and highest marks text colour red.