GYAN STHALY PUBLICE SCHOOL

HOLIDAY HOMEWORK

Class 9th

SCIENCE (PHYSICS)

Motion, Equation of motion,

(Make a project file on A4 size plane sheets)

SCIENCE(CHEMISTRY)

Read about five scientists and their contribution in chemistry and write it on a project file

SCIENCE(BIOLOGY)

-write the contribution of the following scientist in the study of cell:-

#Robert hooke

Antonie Van leeuwenhoek

Purkinje

#matthias Jacob Schleiden

#Theodor Schwann

#Camillo Golgi

#Robert name

Note: Assignment has to be done in A4 size sheets and then to be submitted in a stick file .File should be of maximum 10 pages.

TITLE PAGE

cover page

#Certificate

#Acknowledgement

#Index

#Project(elements as mentioned in the report format)

#References/Bibliography

- -Draw a neat labelled diagram on any of the given topic on chart paper:-
- Animal cell
- •Endoplasmic reticulum
- Nucleus
- •Plant cell
- Chloroplast

MATHS

1. Worksheet Practice (Basic Skills)

Complete the following problems in your notebook:

Number Systems – 10 questions on rational and irrational numbers

Polynomials – 10 questions (addition, subtraction, multiplication, factorization)

Linear Equations in Two Variables – 5 real-life based word problems

Coordinate Geometry – Plot 5 points and label them in all four quadrants

2. Project Work

Choose any one of the following:

Math in Architecture: Collect pictures of famous buildings and identify geometric shapes.

Statistics Around You: Collect data (like daily temperatures, favorite fruits of 10 people, etc.), create bar graphs or pie charts.

Mathematical Patterns in Nature: Research on Fibonacci sequence or symmetry in flowers, leaves, etc., and make a creative chart.

3. Mental Maths Challenge

Practice 10 minutes of mental maths daily using an app (like Mathletics or Khan Academy) or a workbook.

Record your daily progress in a journal (minimum 10 entries).

4. Crossword or Puzzle (Fun Activity)

Create a Math crossword or Sudoku puzzle and solve it yourself.

You can also use a puzzle book or online generator and paste it in your notebook.

5. Optional Bonus (For Extra Credit)

Prepare a short presentation (2-3 pages or slides) on "History of Mathematics" or "Famous Mathematicians and their Contributions".

COMPUTER APPLICATIONS

- 1. Project Work (Choose Any One):
- a) Create a PowerPoint presentation on "Cyber Safety Practices". (8–10 slides)
- b) Prepare a chart/poster on Input & Output Devices with pictures and short descriptions.
- c) Create a table in MS Word listing **different types of Software** (System, Application, Utility) with 2 examples each.

2. Assignment (To be done in notebook):

- a) Write short notes on:
 - Hardware
 - Software
 - Types of Computers

Features of a Computer

- b) Draw and label a block diagram of a computer system.
- c) Practice basic MS Word skills: Formatting, Bullets, Tables, and Page Layout.

HINDI

- 1-किसी भी विषय पर किसी एक लघु कथा की रचना कीजिए ।
- 2- अपनी पाठ्प पुस्तक में से कोई दो लेखकों के जीवन परिचय लिखिए ।
- 3- किन्हीं दो विषयों पर अनौपचारिक पत्र लिखिए ।
- 4- किन्हीं दो विषयों पर दो-दो नारे लिखिए ।
- 5- किन्हीं दो विषयों पर संवाद लेखन कीजिए।

😂 Summer Vacation Homework – Class 9 English 😂

1. Creative Writing Journal

- Maintain a journal for the entire vacation.
- Every week, write:
 - 1 diary entry about a special day.
 - 1 short story (300–400 words) based on these themes:
 - A Secret Adventure
 - Lost in Time
 - The Day I Met My Future Self
- Focus on using new vocabulary and varied sentence structures.

2. Grammar Treasure Hunt 🔍



- Find and record **10 examples** each of:
 - **Nouns**
 - Adjectives
 - Verbs
 - Adverbs
- You can find these from newspapers, books, advertisements, or YouTube videos!
- Present them creatively on a chart.

3. Group Project Activities 👥 🧎

Form groups of 3-4 students and select any one activity below:

- Collaborative Story Book: Each member writes a chapter (200 words) continuing the story from where the last person left off. Bind it together creatively.
- Podcast Panel Discussion: Record a group discussion on topics like "The Importance of Reading", "My Dream Summer Vacation", or "Books vs Movies". Focus on clear speaking and respectful dialogue.
- English Vocabulary Bingo: Design a Bingo game board with newly learned words over the holidays. Share and play it with classmates once school reopens.

★ Instructions:

- Neat presentation will be appreciated.
- Submit your work in a decorated folder.
- Deadline for submission: First week after reopening.

Enjoy your holidays! Happy reading, writing, and creating! 🔆