ENGLISH

1. Read the book ' Wings of Fire' by A.P.J. Abdul Kalam and write about what you like and what inspires you the most about the book . Write about his :
   - ❖ Childhood
   - ❖ Parents
   - ❖ Education
   - ❖ Profession
   - ❖ Contribution to the World
   - ❖ Achievement
   - ❖ Anecdotes
   - ❖ 10 inspirational quotes and how they have inspired you.
   - ❖ Acknowledgement
2. Collect five articles from the Editorial pages of the leading newspaper which interest you and write your reviews on the same in about 150 words each.
3. Please download all the assignments from the portal, do them and submit them in a file. This is mandatory as you will be marked for the same.

MATHS

1. Prepare a Maths model on the following :
   - ❖ Statistics (Roll No. 1 to 20)
   - ❖ Triangles or Quadrilaterals (Roll No. 21 to 40)
2. Perform the following activities in Maths Lab manual :
   (i)   To verify that if two lines intersected each others, then the vertically opposite angles so formed are equal.
   (ii)   To verify angle sum properly of a triangle .
   (iii)   To verify that an exterior angle of a triangle is equal to the sum of two interior opposite angles.
   (iv)   To verify angle sum property of a quadrilateral.
   (v)   To verify that diagonal of a parallelogram divides it into two congruent triangles.
   (vi)   To verify that figures obtained by joining the mid points of the sides of any quadrilateral is a parallelogram.
   (vii) To verify mid point theorem.
   (viii) To verify that the angle subtended by an arc at the centre of a circle is double the angle subtended by the same arc at any other point on the remaining part of the circle.
   (ix)   To construct a square root spiral.
   (x)   To verify $(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$

SCIENCE

1. Attempt all the Assignments on A-4 sheets, uploaded on the school portal. Submit them in the folder. Chapters included are :
   a) Matter in our surroundings
   b) Motion
   c) Fundamental Unit of Life
2. Make a science model using eco - friendly material or perform experiments on **any one** of the following topics :
   a) Advancements in Medical Sciences
   b) Alternative Sources of Energy
   c) Artificial Intelligence
   d) One Minute Activity based on Scientific Principle
   Evaluation will be done on the basis of Demonstration, Viva and Project file.
3. Prepare creative and artistic Mind Maps on A4 sheets for the following Science chapters & submit in folders :
   a) Matter in our surroundings
   b) Motion
   c) Fundamental Unit of Life

SOCIAL SCIENCE

Disaster Management
- ❖ Prepare a project on Disaster Management on any one topic .
- ❖ It should be handwritten and must be done in A4 size scrapbook.

Topic :
- ❖ **Man Made Disasters** – Nuclear, Biological, Chemical and its presentation, mitigation strategies.
- ❖ **Natural Disasters** – Earthquakes, floods, landslides, cyclones, drought and its presentation, mitigation strategies.
- ❖ **The project should include the following heads : FORMAT OF THE PROJECT**
  - ➢ Preface
  - ➢ Acknowledgement
  - ➢ Content/ Index
  - ➢ Detailed Report of the topic
  - ➢ Glossary
  - ➢ Teachers Evaluation Sheet
- ❖ Highlights of the Project must be
  - ➢ Meaning of the disaster and disaster management
  - ➢ Role of communities in managing disaster at :

- Village level
- State level
- School level

❖ **Collect information on "Delhi Disaster Management Committee"**
❖ Elaborate description of the topic accompanied with pictures diagrams, map work, pie and bar diagram and other disaster reports.
❖ A case study on the topic taken for the project. E.g. Number of Indian States hit by Tropical Cyclone FANI.

हिंदी –

1. शिक्षाप्रद किन्हीं बीस दोहों को चित्र एवं कवि के नाम सहित स्पष्ट करें। कार्य पूर्ण करने हेतु केवल स्क्रैप फाईल का ही उपयोग करें।

2. कबीर, रैदास, रहीम, मीरा जी के जीवन का परिचय देते हुए यह स्पष्ट करें कि यह कवि हिंदी साहित्य के किस युग से संबंधित रहें और उस युग की किन्हीं दस विशेषताओं के बारे में लिखें तथ इन कवियों के चित्र भी चिपकाओ।

Happy Holidays