



Air Force School, Jaipur

SUMMER HOLIDAY HOMEWORK

Class: X

SCIENCE

(A) Chemistry:-

1. Make a chart on 10 balanced chemical equations given in Ch-1 (NCERT).
2. Do the assignment of Ch-1 attached in Chemistry Notebook.
3. Using turmeric, cabbage juice and onion juice as indicators, find acidic and basic substances from your home.

(B) Physics:-

1. Prepare the tabular display of all the cases of image formation by concave and convex mirror along with proper ray diagram of the same.
2. Make a list of ten uses of concave and convex mirror in our daily life around us.
3. Make a small investigation of any one important aspect of light in your life near or around you and record your observation in copy. It will be discussed in class.
4. Do the given assignment which is attached with your physics notebook.
5. Create a Kaleidoscope using mirrors, glass fragments and colourful materials.

(C) Biology:-

1. Choose a specific environmental issue from the Chapter "Our Environment" (e.g. Deforestation, pollution) and research its causes, impacts and potential solutions. Present your findings in a concise report.
2. Case Study:- Select a region or country facing environmental changes and analyze the human activities that are affecting its environment.
3. Creative Writing:- Write a short story, poem or play inspired by the chapter's theme such as the impact of human activities on the environment.

MATHEMATICS

- 5- Activities from Mathematics lab manual and examples from NCERT examples.

SOCIAL SCIENCE

1. **History:-** Map of Europe, LN-1 Mind map terms + plans.
2. **Civics:-** Lesson – 1
3. **Eco & Geo:-** Research and write about the challenges and opportunities of sustainable development in India.

ENGLISH

1. Learn all the chapters done in class. Do 10 Exercises of each:- Gap filling, error correction, Reported Speech. Write a letter of each subject- Complaint inquiry, placing order, Editor Analytical Paragraph.

2 Write 2 Comprehensions.

हिन्दी

1. पाठ 1, 2 गद्य ।
2. कृतिका प्रश्न उत्तर
3. **Mindmap:-** एक अनुच्छेद, एक—एक औपचारिक—अनौपचारिक पत्र, वाक्य पढ़कर आना है ।

A.I. (ARTIFICIAL INTELLIGENCE)

Create a PowerPoint presentation (20 slides) on Multiple Intelligences and mention the profession associated with it.