



Baluni Public School

Sikandarpur, Dayalbagh, Agra

Summer Holiday Homework

Class – x

SCIENCE

• Chemistry :

a) Complete the experiments 3.1, 3.2, 3.3 and 3.4 from the chapter Types of reactions in your lab manual.

b) Make a working model on the following topics. (Any 1)

- Electrolysis of water

- pH machine

- Electroplating of any metal

- Potato electricity

c) Learn Chapter 1, Chemical Reactions and Equations and practice balancing of equations.

• Biology :

a) Complete the following experiments in your lab manual

- Stained mount of stomata

- Respiration

- Asexual reproduction, binary fission and budding

- Embryo of a dicot seed

b) Make a working model on the following topics: (any 1)

- Working of heart

- Photosynthesis

- Respiration (lungs)

- Transportation in plants (xylem and phloem)

- Dialysis

c) Solve NCERT questions and write down in your fair notebook from Chapter Life Process

• Physics:

a) Complete the following experiments in your lab manual - Studying the dependence of potential difference(V) across resistor on current (C) passing through it and determine its resistance . Also plotting graph between V and C .

- Determination of equivalent resistance of two resistors when connected in series and parallel.

- Determination of focal length of concave mirror and convex mirror by obtaining images of distant objects.
- Tracing path of ray of light passing through rectangular glass slab for different angles of incidence.
- Tracing path of light through glass prism.

b) Make a working model on following topics. (any 1)

- Make wireless mobile charger
- Electromagnetic train model
- 3D projector
- Portable AC

ENGLISH: -

All work to be done in pull out worksheet (Evergreen publication).

Solve unseen passages on page no.- 20, 22, 24, 26 & 28.

Read and study the format of letters on page 74, q.no.9(placing order)

Complete letter on page 83, q.no.- 9 & 10

Read and study format page 71, q.no. 4 & 5.

Also complete

Assignment 4, q.no.7.

Grammar - page 131,(do it yourself) exercise 1 and 2.

Page 136- q.no.- 2

Page 153- q.no.1 & 2

Page 176- part -2- exercise 1 & 2.

Literature - page 220 all questions.

Page 225- all questions

Page 282- poem-1 all questions.

Page 287- poem-2 , all questions.

MATHS: -

I Activities to be done in lab manual of mathematics

1. To verify that the given sequence is an arithmetic progression by paper cutting and pasting method.
2. To prove sum of n natural numbers i.e. sum of $n=1+2+3+\dots+n= n(n+1)/2$
3. To verify the conditions for consistency and inconsistency of a system of linear equations in two variables graphically.
4. To represent quadratic polynomials geometrically.
5. To verify the Basic Proportionality Theorem using parallel line boards and triangles cut out. Statement of Basic Proportionality Theorem.

6. To verify the Pythagoras Theorem by the method of paper folding, cutting and pasting method.

II Do all case study based and assertion reason-based questions of Real Numbers from pg. 18 – 20 and all case study based and assertion reason-based questions of Polynomials from pg. 30 – 33 and all case study based and assertion reason-based questions of Pair of Linear Equations in Two Variables from pg. 52 – 54 from Mathematics practice book in your mathematics fair copy.

SOCIAL SCIENCE: -

Economics

Make a project on Consumer Rights.

As discussed in class.

Geography,

lab manual, chapter 1, Resources and Development

Map work:

Locate and mark the given outline maps in your Map Book,

Geography page no, 7,9,11,13.

History page no,89,91,93,95,97

COMPUTER: -

Send email to your friends using carbon copy, blind carbon copy, attached file and formed a formal message to your friends.

HINDI : -

1. किसी भी विषय पर एक विज्ञापन चार्ट पेपर पर बनाइये।
2. पाठ्यपुस्तक की सहायता सभी विषय(जितने पुस्तक में हैं) पर औपचारिक पत्र तैयार कीजिए।
3. पाठ्यपुस्तक के सभी विषय पर सूचना तैयार कीजिए।
4. पाठ्यपुस्तक की सहायता से किसी 5 विषय पर अनुच्छेद तैयार कीजिये।
5. सचित्र कहानी की एक पाठ्यपुस्तक तैयार कीजिए।
6. किसी 5 विषय पर सम्बाद तैयार कीजिए।