

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL
HOLIDAY HOMEWORK FOR CLASS – XI SCIENCE (SESSION: 2017-18)

ENGLISH

1. Read the Novel – The Canterville Ghost by Oscar Wilde.
Each student will be asked to narrate the story \ part of the story \ incident \ scene (to be decided by the teacher) after the vacation.
2. Read the Chapter 1 – The Portrait of a Lady, Chapter 2 – We’re not Afraid to Die...If we can all be Together and Poem -1 – A Photograph of the book Hornbill thoroughly. Each student should be able to answer any question based on the same.
3. Read the Chapter 1 – The Summer of Beautiful White Horse and Chapter 2 – The Address of the book Snapshot thoroughly. Each student should be able to answer any question based on the same.
4. Complete Assignment No. 5 (Notice, Advertisement and Letter writing)

PHYSICS

1. Do assignment Chapter: 4 Motion In a Plane
2. NCERT Exemplar Chapter: 1,2,3,4 Numerical practice in separate note book.
3. Do the activities in activity file. Following are the list of the activities:
 - i To plot a graph for given set of data, with proper choice of scales and errors.
 - ii To measure the force of limiting friction of a roller on a horizontal plane.
 - iii To study the variation in the range of jet of water with the change of angle of projection.

CHEMISTRY

1. Make a project report on scientific investigations involving laboratory testing and collecting information from other sources. You can include the pictures while doing the research work or the relevant images related to the topics. It is compulsory to add case study or some data based information in your project report. You can refer the curriculum for class XII Chemistry from cbseacademics.nic.in for few suggested topics for the project report or you can also take any topic related to your syllabus.
2. Practice all the types of numerical from Ch 1, 2.
3. Learn the important topics which are regularly repeated from Ch 3, 4.
4. Revise all the NCERT in text and exercises of all the chapters.
5. Visit the sites like topperlearning.com, learncbse.com to make a list of questions from Ch 1-4 and note them in your assignment notebook with proper solutions.
6. Practice value based questions form Ch-14.

BIOLOGY

1. Revise Chapter 1 - 7
2. Select a topic in Biology which you find quite interesting and make an investigatory project on the same..
 - Which aspects of the topic do you want to investigate?
 - Do some research and design an experiment for the same.

- Collect the data and record it in the given format.
 - Aim
 - Why did I select this project?
 - Background and investigation – you can refer internet and books for this Experiments
 - Data collected (it can be in the form of pie charts or an observation table
 - Result
 - Your conclusion
 - Bibliography
3. Visit a nearby nursery, park or home garden to identify and study the following parts of plants:
- ✓ **Roots and its modifications**
 - ✓ **Stem and its modifications**
 - ✓ **Leaf and its modifications**
 - ✓ **Types of inflorescence**
- Take pictures, collect information and record it in the scrap book**
4. To dissect a flower and study its various parts. Record the observation of at least 10 flowers in the scrap book.

MATHEMATICS

1. Practice previous year's half – yearly question papers. Selected Chapters are:-
 - Sets
 - Relations & Functions
 - Trigonometry
2. Write all trigonometric formulas and learn them.
3. Practice all NCERT, Miscellaneous and supplementary questions from the mentioned chapters.
4. Study the topics:
 - Quadratic Equations
 - Sequences and Series
 - Probability

COMPUTER SCIENCE

Revise following Chapters thoroughly:

- Chapter 1: Computer Fundamentals
- Chapter 2: Software Concepts
- Chapter 3: Data Representation
- Chapter 4: Microprocessor and Memory Concepts