

**BIRLA SHISHU VIHAR, PILANI
SESSION (2018-19)
HOLIDAY HOMEWORK
CLASS XII-SCIENCE**

PHYSICS

1. Solve the work sheet attached.
2. Solve NCERT book exercises (especially examples) chapter 1, 2, 3.
3. Prepare an investigatory project along with a model (preferably working) and a record file. This project will worth 3 marks in CBSE practical examination and will be judged by the external examiner.

Few suggested topics can be – Transformer, Effect and uses of Polaroid, A study on nature and behavior of light, Rectifiers, Capacitors.

4. Prepare theoretical topics of chapters 1, 2, 3 with special focus on application based questions.
5. Make a formula note book and write formulae of first three chapters of XII and of all chapters of XI.

BIOLOGY

1. Complete and practice the assignment provided to you in a separate notebook after learning the chapter.
2. Prepare a rough draft of the investigatory project on any topic of your choice.
3. Practice all the diagrams from chapter 1-4.

CHEMISTRY

1. Make a list of all the named reactions in chapters 10-13 and write them in your assignment register.
2. Write all the reaction mechanisms in chapters -11 in your assignment register.
3. Complete your investigatory project(except the observation part)
4. Do all examples, intext and back exercise questions of NCERT for chapters 1 and 2 in your assignment copy.
5. Do assignment of chapter solid state in your assignment copy.

6. A word document on important viva voce questions for board practicals is uploaded to the whatsapp group of class . Go through the questions and write the answers down in your auxiliary copy (Make one if you haven't made it yet) . Answers will be thoroughly discussed in practical periods after the vacations . This will be the main deciding factor whether you get 30 or not in your board practicals.

MATHEMATICS

1. Solve the work sheet attached.
2. Solve NCERT book exercises (especially examples) chapter 1, 2, 3.
3. List real life applications as many as possible of first three chapters namely Relations and Functions, Inverse Trigonometric Functions and Matrices (if possible Determinants also).

You can Google it.

4. Prepare an assignment note book and solve questions asked in previous Board Exams from the chapters covered in class.
5. Make a formula note book and write formulae of first three chapters of XII and of all chapters of XI.

ENGLISH

1. Read George Eliot's *Silas Marner*, write character sketches of all major and minor characters that appear in the books and narrate the major episodes of the texts in your own words.
2. Watch cinematic adaptation of the text available on You tube (link **Silas Marner** <https://youtu.be/q7THUBwEJus>) , compare film with the text and write an article in 300 words ,describing similarities and dissimilarities between the text and its film version .
3. Write the summary of five National and International events that have featured in the newspapers.
 - Paste the newspaper clipping
 - Make notes in the 'note-form' with suitable format.

4. Write the following as per the correct formats.

Formal letters (Any 5) • Article, Debate and Speech (2 each) • Invitations- Formal and Informal (2 each) • Replies to invitations- Formal and Informal (2 Each)COMPUTER SCIENCE

Do the given assignment provided to you in the separate notebook.

Note:

1. The assignment would be provided to you by your respective subject teachers

2. The soft copy of the holiday homework and subject-wise assignments may also be downloaded from the school website under the tab holiday homework on homepage.

PHYSICAL EDUCATION

Prepare a project file, which includes:-

- a) Modified AAHPER Administration for all items.
- b) Conduct Barrow 3 item Test on 10 students.
- c) procedure for asanas, Benefits & Contraindication for any two Asanas each life style disease.
- d) Any one game of your choice with labelled diagram of field & equipment Rules & regulations, Terminologies & skills.

DRAWING

Make one composition of your own choice in mix media technique. Use A3 size sheet of thick white chart/ canvass (12"x12") and give a small write up (one para) about your work.

MUSIC

1. Learn to play any musical instrument to develop basic knowledge in Summer Break.
2. Collect information about any two musicians and write a brief note on their life and contribution in the field of music.
 - Pt. KRISHNA RAO SHANKER PANDIT
 - Ustad FAIYAZ KHAN
 - Ustad BADE GULAM ALI KHAN

COMPUTER SCIENCE

- Solve all the questions of finding output from C++ Revision Tour Chapter