

ST. COLUMBUS SCHOOL
DAYAL BAGH, FARIDABAD
CLASS – XI (SCIENCE)
HOLIDAY HOMEWORK (2025-26)

General Instructions:-

Revise the completed syllabus of all the subjects for the Test to be held in July.

SUBJECT – ENGLISH

- Make a project file on the theme of any one of the chapters taught so far.
- Read a short novel of your choice and write book review. Your review must include -
 - a) Short introduction of the author along with his/her picture.
 - b) Genre
 - c) Theme and background
 - d) Characters
 - e) Message

Note - Do these tasks in a well covered project file.

SUBJECT- PHYSICS

- Prepare a PPT and project report on: Connection of Physics with our everyday life.

SUBJECT – CHEMISTRY

INVESTIGATORY PROJECT (ANY ONE FROM GIVEN TOPIC)

- Checking the bacterial contamination in drinking water by testing sulphide ion
- Study of the methods of purification of water
- Testing the hardness, presence of Iron, Fluoride, Chloride, etc., depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any).
- Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium carbonate on it.
- Study the acidity of different samples of tea leaves.
- Determination of the rate of evaporation of different liquids
- Study the effect of acids and bases on the tensile strength of fibers.
- Study of acidity of fruit and vegetable juices.

SUBJECT – MATHEMATICS

- ACTIVITY 1.1: To find number of subsets of a given set and verify that if a set has n elements, then total number of subsets is 2^n
- ACTIVITY 1.2: To represent set theoretic operations using Venn Diagram
- ACTIVITY 1.3: To verify distributive law for given non-empty sets A, B, C that is:
 $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$

SUBJECT : BIOLOGY

- Do any one project based on given topics.
 - a. Prepare a herbarium with 10 flowering plants.
 - b. Make a picture project on different types of insects found in your surrounding.

SUBJECT –COMPUTER SCIENCE

- Create a PowerPoint presentation on “TOKENS IN PYTHON”

SUBJECT –MUSIC

भारतीय शास्त्री संगीत में वाद्ययंत्रों के प्रकार के बारे में लिखें व हर प्रकार के वाद्य यंत्र के 2 उदाहरण दें। साथ ही एक बॉलीवुड गीत का नाम लिखें जो उस वाद्य यंत्र के प्रयोग से प्रचलित है।

SUBJECT –PHYSICAL EDUCATION

- Labelled diagram of field and equipment , rules, terminologies and skills . Anyone IOA recognised game/sport of your choice.
- Make a First Aid Box with a Red Cross on it having the following First Aid Tools –
 - Boroline or Boroplus ,Soframycin ,Dettol or Savlon ,Neosporin, Crocin, Bandage, Cotton, Band-Aid Strips.

Be Happy By Doing Good

1. Spare some time and help your mother in household work. Talk to your parents and elders and learn values.
2. Adopt the habit of reading newspaper and learn new words and expressions.
3. Read at least two books (Hindi & English) apart from prescribed syllabus.
4. Respect flora and fauna (Plants and Animals). Keep your home and surroundings clean. Plant at least 5 saplings.
5. Keep water for birds and stray animals outside your house or in balcony.
6. Food is equal to God. So avoid wasting of food.
7. Try to share your knowledge and donate old books and notebooks to the underprivileged and deprived children of your locality.
8. Maintain a diary in English & Hindi and write your experience along with daily routine during summer break. It will help you in enriching your vocabulary and writing skills.

ENJOY YOUR SUMMER BREAK.....

