

BIRLA SCHOOL, PILANI (Residential Wing)
SUMMER VACATION HOMEWORK 2024-25
CLASS-XI A & B (SCIENCE)

English	Prepare a PowerPoint of minimum 10 and Maximum 15 slides about any one promising career option, mention the course requirements, eligibility criteria, the institutes/ colleges that offer the course, cut off required, placements, scholarships (if any). The students will present the PPT in the class post vacations.
Physics	1. WRIT DIMENSION OF THE FOLLOWING: $\ddot{Y}, \lambda, \Theta, \acute{G}, \eta, \hbar, \epsilon, g, \mu, \sigma, \tau, W, L, \acute{w}, \acute{v}$. 2. Convert 10m/s^2 , 25 m/s , 80 J/s , into a system 100m , 20Kg , 10 sec . 3. Frequency of bubble depends on, Pressure, Density, Energy .Derive dimensionally
Chemistry	1. Learn elements with their symbols up to atomic no. 54
Maths	1. Solve all examples of chapter 1 and 2 of NCERT text book in your note book. 2. Write all formulae of class X in mathematics.
Biology	1. Learn and write scientific names of 10 Plants and Animals found in your locality.
Information Practices	1. Read the chapter-“Python Fundamental”. 2. Make a PowerPoint Presentation on “Python Fundamental” .
Computer Science	1. Draw the diagram of barebone of python program? 2. Design menu driven program for all arithmetic operations with user choice? 3. Describe tokens and its types with example?
Economics	1. Make a project on ‘Census of India -2011’ and submit it in the file. 2. Visit any Commercial Bank, Collect various forms and write its utility while making transactions with the Bank.
AI	1. How intelligent will artificial intelligence become by 2030, any guess? 2. Can you please find two real world application of supervised learning? 3. Can you imagine 5 jobs / professions that do not exist now but may be popular in 2035?