

NJPS SENIOR SECONDARY SCHOOL

Summer Holidays Homework (Session 2026-27)

Class: 11th (Senior Secondary Bridge Assignments)

Dear Students,

Welcome to the senior secondary block. As you choose your career paths (Science/Commerce/Arts), self-study and exploratory research are critical. This common holiday portfolio bridges the gap and prepares you for analytical senior courses.

1. ENGLISH CORE

- **Advanced Writing & Reading:** Read "The Portrait of a Lady" from Hornbill. Write an analytical essay (200-250 words) charting the changing dynamics of relationships across generations due to urbanization and educational shifts.
- **Functional Grammar:** Draft a professional resume along with a formal cover letter applying for a temporary summer internship at an educational institute. Practice note-making and summarization for 3 long editorials from a national newspaper.

2. MATHEMATICS / APPLIED MATHEMATICS

- **Sets & Relations:** Solve 20 fundamental problems analyzing set operations, Venn Diagrams application in real-life survey datasets, and basic cartesian product mappings.
- **Foundation Algebra:** Revise and prepare analytical notes on quadratic equations, complex roots concepts, and complex identities from standard core materials.

3. CORE SCIENCES (PHYSICS, CHEMISTRY, BIOLOGY TRACK)

- **Physics (Units & Measurements / Kinematics):** Prepare notes on dimensional analysis and check the dimensional correctness of 10 standard physical formulas. Solve 10 vector addition/subtraction problems.
- **Chemistry (Basic Concepts & Atomic Structure):** Complete 15 numerical sheets dealing with mole concept calculation, molarity, molality, and empirical formulas of organic compounds.
- **Biology (Diversity & Cell Biology):** Prepare an extensive taxonomic summary table mapping out the Five Kingdom Classification with explicit anatomical diagnostic properties.

4. COMMERCE TRACK FUNDAMENTALS (ACCOUNTANCY, BUSINESS STUDIES, ECONOMICS)

- **Accountancy & Commerce:** Create an analytical glossary detailing 30 core accounting terminologies (Assets, Liabilities, Capital, Revenue, Depreciation, Debit, Credit, etc.).
- **Business & Economy:** Prepare a comprehensive report on the structure of ancient indigenous banking systems in India and trace the transformation into contemporary digital transactions.

GUIDELINES FOR SUBMISSION

- Maintain an elegant, clear representation. Use structured corporate files or neatly bounded registers for separate streams.
- Submission Deadline is strictly set to school reopening morning: **29th June 2026**.

By Order,

Manish Kumar

Principal

NJPS Senior Secondary School