

# NJPS SENIOR SECONDARY SCHOOL

## Summer Holidays Homework (Session 2026-27)

### Class: 12th (Final Board Batch - Portfolio Homework)

#### Dear Students,

This is your final academic year at NJPS. Your primary objective should be balancing top-tier board scores with national competitive entrance examinations. This homework satisfies mandatory CBSE investigatory project outlines and core subject reinforcement.

## 1. ENGLISH CORE (ADVANCED TRACK)

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- **Literary Criticism:** Read "The Last Lesson" and "Lost Spring" from Flamingo. Prepare an analytical project report detailing the historical effects of linguistic chauvinism and the systemic socio-economic forces leading to modern child labor cycles.
- **Professional Communications:** Write 3 formal job applications accompanied by highly detailed, mock curriculum vitae (CV). Draft formal notices for school bulletins announcing international student exchange programs.

## 2. MATHEMATICS / APPLIED MATH (ADVANCED)

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- **Relations, Functions & Matrices:** Solve 25 board pattern problems tracking types of relations (Equivalence, Symmetric, Transitive), Inverse Trigonometric Functions simplifying assignments, and matrix operations/determinants.

## 3. SCIENCE STREAM (INVESTIGATORY TRACK)

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- **Physics:** Complete a formal project proposal layout for an investigatory project topic approved by CBSE (e.g. Transformer structures, Variation of conductance, etc.). Solve 15 numerical problems in Electrostatics.
- **Chemistry:** Write down step-by-step practical laboratory protocols for standard volumetric analysis experiments (Titration calculations). Complete 15 complex conceptual questions on Solutions and Raoult's Laws.
- **Biology:** Draft an extensive investigatory project report tracking DNA Fingerprinting applications, recombinant technology developments, or reproductive health awareness metrics.

## 4. COMMERCE STREAM (CORE BUSINESS ANALYTICS)

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- **Accountancy Portfolio:** Draft a complete mock partnership deed outlining realistic profit-sharing ratios, drawing interest rules, and calculate 10 comprehensive numerical adjustments under partnership admission dynamics.
- **Business Studies & Economics:** Conduct a live case study tracking the principles of management practiced within any corporate local bank or institution. Outline a project charting structural changes in India's Repo Rate over the last 4 quarters.

### CRITICAL GUIDELINES FOR BOARD BATCHES

- All investigatory outlines are mandatory prerequisites for internal practical examinations under external inspectors.
- Maintain absolute integrity, precise calculations, and present your registers on the reopening day: **29th June 2026**.

**By Order,**  
Manish Kumar  
Principal  
**NJPS Senior Secondary School**