RADHIKA SR. SEC. SCHOOL
SHAPING FUTURE CITIZENS | CBSE | CO-EDUCATIONAL | ENGLISH MEDIUM | Nursery - XII | SCIENCE, COMMERCE, ARTS
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Homework for Summer Vacation (2026-27)

General Instructions:

- **Activities / Project work should be done as per the instructions. Given subject wise. (Use A3/A4 size sheets for activities)**
- **Holiday Homework will be assessed as Subject Enrichment Activity (SEA). Make sure that you complete the assigned Holiday Homework in homework copy (Subject wise) and submit it on time.**
- **Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.**
- **Holiday Homework should be submitted latest by 3rd July 2026. It must be labelled properly with the name, class and roll number of the child.**
- **Originality of the work will be appreciated.**
- **Encourage your ward to converse in English as a regular practice during holidays to enhance communication.**

NOTICE FOR SUMMER VACATION
(For Class IX to XII)

1- Summer Holidays- 25/05/2026 to 18/06/2026

2- School Re-opens on- 19/06/2026 (Friday)

3- Timing on 19/06/2026- 8:00 am to 12: 45 pm

4- Completing Holiday Homework is mandatory for all students.

5- 1st PTM- On 24/05/2026 (Sunday) Timing-9:00 am to 12:00 noon.

Class-XI - Science

Subject	Contents
Hindi	1. जनसंचार तथा जनसंचार के माध्यमों का सचित्र वर्णन कीजिए। 2. आरोह के पाठ - १ गद्य तथा काव्य दोनो से १० - १० प्रश्नोत्तर बनाकर लिखें। नोट - ये सभी कार्य A4 आकार के पृष्ठ पर फाइल में प्रस्तुत किए जाए।
Painting	1-Make a picture of folk art. 2- Make a beautiful file for project submission.
English	**Read the following Chapters and write in your Project File** 1. About the Author 2. Chapter Sketch 3. About the Character(s) 4. Summary of the Chapter 5. Message of the Chapter 6. Literary Devices used *Chapters* 1. Portrait of a Lady 2. Voice of the rain 3. The address 4. Clauses 5. Poster making
Mathematics	1. Trigonometric Functions write and Learn identity (Formula). 2. Write and learn All formula ch-1, 2.
I.P.	Q.1. Write short answers (30–50 words) for: what is an operating system, utility software, application software, and programming language? Q.2. Write steps to create a strong password and explain why it's important. Q.3.Compare primary memory and secondary memory in a table (capacity, speed, volatility, examples). Q.4. Describe three types of computer languages (low-level, high-level, fourth-generation) with examples.

Biology	1. Make herbarium file and collect 15 local plant species and labelled there name. 2. **Make a 3D model of.... (Using biodegradable material)** A. Amniocentesis process B. Anatomy of frog (Show excretory system and reproductive system) C. Anatomy of frog (Show digestive system) D. Anatomy of Earthworm (Show circulatory system) E. Anatomy of Earthworm (Show reproductive system and excretory system) F. Anatomy of frog (Show circulatory system) G. Morphological structure of cockroach (Show various part) 3. Solve pyq of 15 years NEET based on A4 sheet of human physiology unit(unit 5)
Physics	Chapter 1: Units & Dimensions Questions 1-Define physical quantities and give two examples. 2-What are fundamental and derived quantities? Explain with examples. 3-Write the dimensional formula of: Velocity, Acceleration, Force, Work, Power 4-Find the dimensions of: Momentum, Pressure, Energy, Density 5-Check the dimensional correctness of the equation: $v^2 = u^2 + 2as$ 6-Check whether the following equation is dimensionally correct: $s = ut + at^2$ **Physics Project Work** Chapter 1 – Physical World
Chemistry	Instructions: (i) All questions must be attempted in a separate chemistry notebook. (ii) Use proper scientific notation and units where required. (iii) Diagram must be drawn and labelled neatly. **Unit–1 : Some Basic Concepts of Chemistry** 1) Conceptual/Numerical Practices: (a) Define mole and molar mass. (b) Calculate the no. of moles in – (i) 18 g of H_2O (ii) 44 g of CO_2 (c) Calculate the percentage composition of elements in H_2SO_4. (d) A sample contains 92 g of CO_2. Calculate the no. of molecules present. e)Do exercise 1.18,1.19,1.20 from your NCERT book 2) Activity-based/Project Work: (i) Make a periodic table model or chart using coloured paper – (a) Alkali metals (Red) (b) Noble gases (Blue) (c) Halogens (Green) (ii) Prepare a brief report (2–3 pages) or presentation on how chemistry is used in – (a) Medicine (b) Agriculture (c) Environmental Science (d) Food Technology.
Physical Education	Complete your note books and revise chapter 1&2. **Make first Aid kit with following:** **Adhesive bandages (various sizes) for minor cuts.** • Sterile gauze pads and medical tape for larger wounds. • Antiseptic wipes or solution (e.g., Dettol/Savlon) to clean wounds. • Tweezers and scissors. • Instant cold pack for sprains and bruises. • Disposable gloves for hygiene. **Basic OTC Medicine Section:** • *Note: All medicines must remain in their original blister packs with clear expiration dates.* • **Pain & Fever Reliever:** Paracetamol or Ibuprofen. • **Antacid:** For stomach aches or indigestion. • **Antihistamine:** For mild allergic reactions or bug bites. • **ORAL Rehydration Salts (ORS):** For dehydration and heat exhaustion. **Antiseptic Ointment:** To prevent infection in cuts.