



TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR N.DELHI
HOLIDAY HOMEWORK
SESSION 2026-27
CLASS XI C & D

“Let us live with pride in our land, for it is rich in spirit and strength.”

—Subramania Bharati

Dear Students

This summer, we're not just taking a break but celebrating who we are! Inspired by the spirit of **'Proud to be an Indian,'** this year's holiday homework invites you to explore your identity, heritage, and responsibilities as a citizen.. Let your thoughts, actions, and creativity reflect the pride of being an Indian and make a positive difference around you.

Here are some relaxing and educational activities that you can engage in during the summer break

- ❖ Spend a few quiet minutes observing a sunrise or sunset and write your thoughts, feelings, or reflections in a journal. This will help in developing mindfulness and emotional well-being
- ❖ Take regular walks in a park or garden without using your phone. Observe nature, sounds, and surroundings mindfully. This will help in bringing mental calmness and awareness.
- ❖ Explore a hobby such as photography, sketching, baking, gardening, music, calligraphy, or pottery. This will help you explore your creativity and help in reducing stress .
- ❖ Cook together, play board games, listen to family stories, or plan a small family activity. This help in building relationships and bringing emotional connect.
- ❖ Practice yoga, stretching, cycling, swimming, or light exercise regularly to stay active and refreshed. It brings physical and mental wellness .

ENGLISH

Debate writing is a powerful skill that enables students to present arguments logically, think critically, and engage with multiple perspectives. It sharpens their ability to analyse issues, build convincing arguments, and respond to opposing viewpoints skills that are essential for academic success and real-world decision-making. A detailed handout on 'Debate Writing' will be uploaded in the GCR with a list of topics to choose from. Write the debate on any one topic (250-300 words) taking a clear stand *for or against the motion*.

Suggested Books:

1) Lallan Sweets – A heartwarming story about family, tradition, memories, and identity, centred around a sweet shop and changing times.

2) The Palace of Illusions – A retelling of the *Mahabharata* from Draupadi's perspective, exploring power, love,

destiny, and identity.

Follow-up Activity: Present your understanding creatively through:

- a book cover with a synopsis on the back, or
- a poster advertising the book.

ECONOMICS

India Through the Eyes of Economists (Logical Thinking + Problem Solving)

Study contributions of at least **three Indian economists**:

- Amartya Sen – Human Development & welfare economics
- Raghuram Rajan – Financial sector reforms & growth challenges
- Kaushik Basu – Development economics & policy

Your Work:

- Explain their key ideas in simple terms
- Show how their ideas apply to India today
- Add a real-life example for each.

“If I Were an Economist...” (Innovative Writing)

- Imagine you are an Indian economist
- Suggest 3 policies to make India stronger
- Justify using economic reasoning Show your work creatively.

Remember to:

- Use credible and updated sources
- Include tables, graphs, and real-life examples
- Maintain neat presentation
- Use respectful, school-appropriate language
- Connect all answers with economic concepts (growth, development, demand, policy)

PSYCHOLOGY

Project Title: Exploring Indian Minds

Students will prepare one comprehensive project file based on an Indian psychologist or thinker.

1. Select ONE Indian Psychologist -

Example - Girindrasekhar Bose, Durganand Sinha, Sudhir Kakar, Uday Pareek, B. Kuppaswamy, etc.
(Students may choose another relevant personality)

2. Project Components (to be included in ONE file):
 - Research Section
 - Introduction and life sketch
 - Key contributions and concepts
 - Relevance to Indian society and behaviour
 - Concept Application
 - Explain at least one psychological concept given by the psychologist
 - Show its application in real-life Indian contexts (home, school, society)
 - Creative Presentation (Any ONE or more)

- a. Poster / Infographic:
 - It should include the title as the name of the psychologist; 2-3 key ideas/concepts; visual representation of how these ideas apply in real life
- b. Mind map:
 - It should include the Psychologist as the central idea and its branches as the life/background, key concepts, applications and their relevance today.
- c. Case example or illustrated explanation
 - A short real-life situation (student/family/social setting)
 - Apply the psychologist's concept to explain behaviour
 - Reflection (150–200 words)
 - What makes you feel proud to be an Indian through this work?
 - One key learning and its application in your life.

3. Submission Guidelines

- Prepare a detailed, well-organised, hand-written project file
- Use headings, diagrams, and visuals
- Ensure clarity, depth, and neat presentation
- Mention Name, Class, Section

MATHEMATICS



Topic: Mathematical Patterns in Indian Folk Art

Task: Research and document one mathematical concept — like symmetry, tessellation, or geometric sequencing — present in any one of the three art forms: Madubani, Pattachitra and Phad. Use images from NCERT resources or museum digital archives as reference.

Find an authentic example of your chosen art form. Use digital archives from reputable museums (like the National Museum, New Delhi) or your NCERT textbooks.

Recreate a section of the artwork and overlay mathematical markings onto it.

Explicitly point out the mathematical elements (e.g., label the "Axis of Symmetry," the "Tessellating Unit," or the "Scale Progression).

A Brief Written Analysis (150–200 words): Explain how the artist used this math concept in the form of a brief Written Analysis (150–200 words) and why it creates visual harmony. Conclude with a sentence on how this connects India's cultural heritage to scientific logic. Present your findings with labelled diagrams showing how traditional Indian art naturally incorporates mathematical structures, reinforcing the idea that India's heritage is rooted in both culture and science.

SCIENCE

Theme: *Proud to be an Indian – Emerging Solutions for Viksit Bharat*

Introduction:

India is on a transformative journey towards becoming a **Viksit Bharat (Developed India)**. As future innovators and problem-solvers, students are encouraged to explore real-world challenges and propose scientific solutions that reflect national pride, sustainability, and technological advancement. This activity aims to foster creativity, critical thinking, and a sense of responsibility towards nation-building.

Objective:

To nurture scientific temper and inspire students to contribute meaningfully towards building a *self-reliant and developed India*

Task:

Each student/group will:

1. **Select a topic** aligned with the theme (e.g., sustainable energy, smart agriculture, healthcare innovations, waste management, water conservation, space technology, etc.).
2. **Develop a working model / prototype / research-based presentation.**
3. Prepare a **brief report** including:
 - Aim
 - Scientific principle
 - Materials used
 - Procedure / Working
 - Real-life application (focus on India)
4. Create a **visual display/poster** to support your project.

Guidelines:

- Focus on **innovation and practical solutions** relevant to India.
- Ensure **clarity of concept and working demonstration.**
- Use **recycled/eco-friendly materials** wherever possible.
- Projects may be done **individually or in groups (max 3 students).**

Reference :Indian Science Fair & Innovation Platforms

- IRIS National Fair (Innovation & Research)
→ Exposure to **research-based projects and real innovation ideas**.
- Indian Science & Engineering Fair (INSEF)
→ Examples of **student-led scientific models and global-level participation**.
- Science Fair Programs by SSDF
→ Shows how projects are evaluated and demonstrated at exhibitions.

Few project ideas:

- Smart Waste Segregation System (sensor-based bins)
- Microplastic Detection & Filtration Model
- Piezoelectric Road for Energy Generation
- Prosthetic Hand using Sensors
- Smart Traffic Management System

How to Choose the Best Topic

Select based on:

- Demonstration value (movement, sensors, live results)
- Concept clarity (can students explain WHY it works?)
- Real-life relevance
- Innovation (modify an existing idea, don't just copy)

Submission:

- Project + Report + Display to be submitted/presented after reopening.

Be innovative. Be responsible. Be proud to contribute to Viksit Bharat.

COMPUTER SCIENCE

Theme: "I Am a Proud Indian"

Assignment : Art Integration Activity

Title: *Digital India Through Art*

Create an **illustrated poster / infographic / digital collage** showcasing how technology is transforming India into a digitally empowered nation. Include any **4 initiatives** such as:

- Digital India
- UPI Payments
- Aadhaar
- ISRO achievements
- Smart Cities
- Online Education Platforms

- Cyber Safety Awareness

Instructions:

- Add short explanations (2–3 lines each).
- Use diagrams, drawings, doodles, symbols, or digital artwork.
- Mention at least **3 ways students can become responsible digital citizens**.
- The work can be handmade or created using any digital tool (Canva, PowerPoint, etc.).

Learning Outcome:

Students will relate Computer Science concepts with real-life technological advancements in India and develop awareness about digital responsibility.