

# TightLip Academy

## Master Curriculum: Class 5

India's Premium Online School | Bridging Primary to Middle School

**Contact:** +91 95994 90296 | **Email:** support@tightliptraders.com  
**Website:** www.tightliptraders.com | **Mode:** 100% Live Interactive Online

### 1. Mathematics & Algorithmic Logic

Transitioning from simple calculations to complex problem-solving. We train students to decode the logic behind the numbers.

- **Advanced Number Operations:** Indian and International systems up to Crores/Millions. Multiples, Factors, HCF, and LCM concepts.
- **Fractions, Decimals & Percentages:** Deep dive into operations on decimals and fractions. Introduction to the concept of Percentage and its real-world use.
- **Geometry & Spatial Intelligence:** Measuring angles with a protractor, understanding circles (radius, diameter, chord), and calculating Volume of 3D shapes.
- **Data Interpretation:** Reading and constructing pie charts, line graphs, and understanding average/mean.
- **The TightLip Edge:** "Vedic Algorithms" - Advanced mental math techniques for complex multiplications, squares, and rapid division.

### 2. Environmental Sciences: Global Awareness

Expanding the horizon from local surroundings to global phenomena, history, and scientific mechanics.

- **Earth Mechanics:** Understanding gravity, eclipses, rotation vs. revolution, and the internal structure of the Earth.
- **Disaster Management:** Causes and safety measures during natural disasters (earthquakes, tsunamis, volcanic eruptions).
- **Indian Heritage & History:** Introduction to the Indian Freedom Struggle, understanding the Constitution, and our fundamental rights/duties.
- **The TightLip Edge:** "Virtual Reality Expeditions" - Simulated deep-sea explorations and space travel to understand scientific concepts visually.

### 3. English Mastery & Global Communication

Preparing students to speak and write with the command and vocabulary expected of future global leaders.

- **Advanced Grammar:** Active & Passive Voice, Direct & Indirect Speech, complex prepositions, and perfect tenses.
- **Literature & Critical Analysis:** Reading classic short stories and poetry, analyzing character motives, and understanding the author's tone.
- **Professional Writing:** Drafting formal emails, debate writing, notice writing, and descriptive essays.
- **The TightLip Edge:** "Model United Nations (MUN) Prep" - Training in diplomatic communication, debating global issues, and structured argumentation.

### 4. Hindi Sahitya (संस्कृत संस्कृत)

Ensuring a sophisticated command over the national language, preparing them for middle school literature.

- **Advanced Vyakaran (Grammar):** Sandhi (basics), Samas, Upsarg, Pratyay, and identifying different types of Vakya (Sentences).
- **Vocabulary Expansion:** Mastering advanced Paryayvachi, Vilom, and Lokoktiyan (Proverbs).
- **Creative Writing (Rachnatmak Lekhan):** Writing Samvad (Dialogues), Aupcharik Patra (Formal Letters), and detailed Kahani Lekhan.

### 5. TightLip Exclusive: "Future Founders" Module

A cutting-edge module that introduces 10-year-olds to the realities of the modern economy and technology.

- **Financial Intelligence:** What is Inflation? How do banks lend money? An introduction to the basic concept of "Investing" vs. "Saving".
- **Computational Thinking:** Logic puzzles, understanding binary concepts, and learning how computer algorithms make decisions.
- **Cyber Security & Etiquette:** Identifying online scams, understanding data privacy, and learning how to be a responsible digital citizen.

*Note: This syllabus is strictly aligned with the latest NCERT & CBSE guidelines, heavily enhanced with TightLip's proprietary skill-building modules.*