

## Weekly Study Plan with Specific Lessons for ARIYA

### Monday

- **4:00 PM - 5:30 PM – Mathematics: Introduction to Trigonometry**
  - *Topics:* Basic trigonometric ratios, understanding sine, cosine, and tangent functions.
- **6:00 PM - 7:30 PM – Literature: 'Julius Caesar' by William Shakespeare**
  - *Focus:* Act I, Scene I – Exploring the political scenario and character introductions.
- **8:30 PM - 9:30 PM – Physics: Motion in One Dimension**
  - *Topics:* Concepts of speed, velocity, and acceleration.

### Tuesday

- **4:00 PM - 5:30 PM – History: The Harappan Civilization**
  - *Focus:* Urban planning, social structure, and decline theories.
- **6:00 PM - 7:30 PM – Chemistry: Atomic Structure**
  - *Topics:* Protons, neutrons, electrons, and their arrangement in atoms.
- **8:30 PM - 9:30 PM – Hindi Language: Grammar – Sandhi Viched**
  - *Focus:* Understanding and practicing word formations through Sandhi.

### Wednesday

- **4:00 PM - 5:30 PM – Geography: Earth's Structure**
  - *Topics:* Layers of the Earth, types of rocks, and plate tectonics.
- **6:00 PM - 7:30 PM – Computer Applications: Basics of Programming in Python**
  - *Focus:* Introduction to syntax, variables, and basic operations.
- **8:30 PM - 9:30 PM – Mathematics: Trigonometric Identities**
  - *Topics:* Fundamental identities and their applications.

### Thursday

- **4:00 PM - 5:30 PM – Literature: 'Bonku Babu's Friend'**
  - *Focus:* Analysis of themes and character development
- **6:00 PM - 7:30 PM – Physics: Laws of Motion**
  - *Topics:* Newton's laws and their real-life applications.
- **8:30 PM - 9:30 PM – History: Vedic Period**
  - *Focus:* Society, culture, and literature of early Vedic age.

### Friday

- **4:00 PM - 5:30 PM – Mathematics: Coordinate Geometry**

- *Topics:* Cartesian plane, plotting points, and understanding quadrants.
- **6:00 PM - 7:30 PM – Chemistry: Chemical Bonding**
  - *Focus:* Ionic and covalent bonds, properties of compounds.
- **8:30 PM - 9:30 PM – Self-Assessment: Practice Questions**
  - *Focus:* Solving problems from the week's topics to reinforce learning.

#### **Saturday (Half-Day School)**

- **1:00 PM - 3:00 PM – Weekly Revision: Key Concepts**
  - *Focus:* Revisiting challenging topics covered during the week.
- **4:00 PM - 6:00 PM – Mock Test: Mathematics**
  - *Focus:* Timed test on trigonometry and coordinate geometry.
- **6:00 PM - 7:30 PM – Doubt Solving: Open Session**
  - *Focus:* Clarifying doubts from any subject with available resources.

#### **Sunday (Flexibility + Enrichment)**

- **8:00 AM - 9:30 AM – Review: Difficult Concepts**
  - *Focus:* Deep dive into topics that need more attention.
- **10:00 AM - 12:00 PM – Practice Papers: Science**
  - *Focus:* Solving previous years' questions on physics and chemistry.
- **4:00 PM - 6:00 PM – Preparation: Upcoming Lessons**
  - *Focus:* Reading ahead to get a head start on next week's topics.
- **6:00 PM - 7:30 PM – Creative Writing: Hindi Essay**
  - *Focus:* Enhancing writing skills by composing essays on given topics.