

**ARISTOTLE WORLD SCHOOL, ETAWAH**  
**SUMMER ASSIGNMENTS**  
**CLASS: 10**

SUBJECT	ASSIGNMENTS	
<b>CHEMISTRY</b>	<p>Chemical Reactions &amp; Equations            Balance the following (any 15):  <math>Zn + HCl \rightarrow ZnCl_2 + H_2</math>  <math>Fe + H_2O \rightarrow Fe_3O_4 + H_2</math>            Identify reaction types:            Combination Decomposition Displacement Redox            2. Acids, Bases &amp; Salts Define: Acid, Base, Alkali            Write Ph range of: Lemon juice, Soap, Milk.            Explain: Importance of Ph in daily life: -Tooth decay &amp; Ph3.</p>	<p>Metals &amp; Non-metals:-Differences (table format)Reactivity series (learn &amp; write)            Ionic compounds properties            4. Carbon &amp; Its Compounds:-Draw structures:Methane, Ethane, Ethene, Ethanol.            Write chemical properties of ethanol &amp; ethanoic acid</p>
<b>BIOLOGY</b>	<p><b>PART – A : DIAGRAM PRACTICE</b>            Draw and label:</p> <ul style="list-style-type: none"> <li>• Human digestive system</li> <li>• Human respiratory system</li> <li>• Human heart</li> <li>• Structure of stomata</li> </ul> <p><b>PART – B : BOARD ORIENTED PRACTICE</b>            NCERT Based Work            PYQ Practice (2022–2025 Pattern)            From the chapter solve:</p> <ul style="list-style-type: none"> <li>• 20 MCQs</li> <li>• 10 Assertion–Reason questions</li> <li>• 5 Case-study questions</li> <li>• 10 Short answer questions</li> <li>• 10 Long answer questions</li> </ul>	<p><b>PART – C : ACTIVITY WORK</b>            Activity 1            Make a working model on human respiratory system/Human digestive system/human respiratory system/Opening and closing of stomata/human circulatory system            Activity 2            Prepare handwritten revision summary of the chapter: "Life Processes"</p>
<b>PHYSICS</b>	<p>1. Make colourfull Chart on any one topic from the following            a) Image information by lenses and mirrors.            b) Human Eye            C) ELECTRIC circuits            D) Magnetic effect of Current</p>	<p>2. Make a formulae hand book for Science.            3. Solve NCERT EXAMPLER questions of Chapter Light.            4. Make a working Model on any topic related to Physics as per your choice</p>
<b>SOCIAL SCIENCE</b>	<p style="text-align: center;"><b>GEOGRAPHY :-</b></p> <p>1. Compare and contrast between the type of soil in            2. Odisha and Punjab            3. Tabular presentation of soil types of India.            4. Draw the soil map of India.            5. Draw soil profile            6. Prepare chart on wild life sanctuaries &amp; national park in india with their states .</p>	<p>7. Sustainable Development :-The students must write about following key matter:            a. Need of development.            b. Importance of development            c. Policies initiated for Sustainable Growth.            8. Role of 5 Popular leaders and their forest or environment protection movements.</p>
<b>HINDI</b>	<p><b>प्रोजेक्ट कार्य -</b></p> <p>1. किसी एक विषय पर रचनात्मक लेख लिखें : (क) पर्यावरण प्रदूषण : समस्या और समाधान: (ख) महिला सशक्तिकरण : चुनौतियाँ और समाधान : (ग) साइबर अपराध : सुरक्षा और निवारण (घ) युग निर्माता के रूप में शिक्षक की भूमिका</p>	<p>2. पाठ्य पुस्तक पर आधारित 'तुलसीदास' के जीवन वृत्त एवं 'राम-लक्ष्मण-परशुराम संवाद' पर एक प्रोजेक्ट फाइल तैयार करें। नोट: प्रोजेक्ट फाइल (प्रश्न नं 1,2) में ही 8 से 10 पेज में तैयार करें            3. 12th फेज' उपन्यास पढ़ें और उससे मिलने वाली प्रेरणा को अपने शब्दों में लिखें। (केवल स्वाध्याय के लिए)</p>
<b>ENGLISH</b>	<p>I. Literature: First Flight &amp; Footprints Without Feet            Complete the following tasks for the first two chapters of each book:  <b>First Flight-</b>            A Letter to God: Create a character map for Lencho, highlighting his faith, innocence, and irony.            Write a 100-word paragraph on why the postmaster decided to help him.            Nelson Mandela: Long Walk to Freedom: Research Mandela's concept of "Twin Obligations" and write a summary (150 words) on how he defines courage.</p>	<p>Example: "Neither the students nor the teacher (is/are) going to the seminar.            Tenses: Create a Tense Timeline on an A4 sheet. Provide one original sentence for each of the 12 tenses using the same verb (e.g., "to write") to show how the meaning changes            III. Writing Skills:            Formal Letter - Write two formal letters (100–120 words) following the latest CBSE format (Sender's Address, Date, Receiver's Address, Subject, Salutation, Body, Subscription)</p>

	<p>Footprints Without Feet- A Triumph of Surgery: Imagine you are Tricky.</p> <p>The Thief's Story: Discuss the theme of "trust and transformation." Does Hari Singh change for the better? Support your answer with examples from the text.II.</p> <p>II. Grammar: Subject-Verb Concord &amp; Tense - Practice these core grammar concepts with specific exercises: Subject-Verb Concord: Solve 20 practice questions involving complex subjects like "neither...nor," "along with," and collective nouns.</p>	<p>Letter to the Editor: Express your concern regarding the rising issue of "Electronic Waste" in your locality and suggest ways to manage it.</p> <p>Letter of Complaint: You recently bought a "Smart Watch" from an online store, but it stopped working within a week. Write a letter to the Manager of the store requesting a replacement.</p> <p>IV. Creative Project (Art-Integrated)Comic Strip: Design a 4-6 panel comic strip based on any one scene from the first two chapters of First Flight or Footprints Without Feet.Movie Review: Watch the movie 'Goodbye Bafana' (about Nelson Mandela) and jot down points comparing the movie's portrayal with the text in your book.</p>
<b>MATHEMATICS</b>	Write the following projects in maths activity copy elaborately with colourful work: ( Atleast 1000 words for each project	<p>:- Topic list</p> <ol style="list-style-type: none"> <li>1. Application of Algebra in day-to-day life.</li> <li>2. Indian Mathematicians and their contributions.</li> </ol>
<b>INFORMATION TECHNOLOGY</b>	COMPLETE A PROJECT FILE	Topic Provided by ma'am in class .

