

ST. LUIGI SCHOOL, BARRACKPORE

Class IX/ Split Up Syllabus/2023-2024

| SUBJECT | UNIT TEST - I | HALF YEARLY EXAMINATION | HALF YEARLY PROJECT WORK | UNIT TEST - II | ANNUAL EXAMINATION | ANNUAL PROJECT WORK |
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| BIOLOGY | <ul style="list-style-type: none"> Ch-2 Cell Unit of Life Ch-3 Tissue: Plant and Animal Tissues Ch-4 The Flower Ch-5 Pollination and Fertilization | <ul style="list-style-type: none"> Ch-6 Seeds- Structure and Germination Ch-7 Respiration in Plants Ch-10 Nutrition Ch-14 The Respiratory System Ch-15 Hygiene - [A key to healthy life] Ch-17 Aids to Health | <ul style="list-style-type: none"> 1. A Cross-Pollinated flower to be examined and identified and the parts to be studied and labelled e.g., Hibiscus. 2. Specimens of Germinating Seeds with Plumule and Radicle (the Bean Seed and Maize Grain) for examination, identification, drawing and labelling the parts. 3. The examination of a Human Cheek cell under the Microscope to study various parts of the cell. | <ul style="list-style-type: none"> Ch-8 Five Kingdom Classification Ch-11: Digestive System Ch-16 Disease: Cause and Control Ch-18 Health Organisation | <ul style="list-style-type: none"> Ch-12 Skeleton- Movement and Locomotion Ch-13 Skin- The Jack of All Trades Ch-9 Economic importance of Bacteria and Fungi Ch-19 Waste Generation & Management | <ul style="list-style-type: none"> 1. Identification of Sugar, Starch, Protein and Fat. Through conduct of relevant tests. 2. Examination and Identification of Specimens belonging to the following groups of Animals: Non-Chordata - Porifera, Coelenterata, Platyhelminthes, Nematelminthes Annelida, Arthropoda. Mollusca and Echinodermata. 3. Experiments to show the Mechanism of Breathing. Bell Jar Experiment should be discussed. Comparison should be made with the Human Lungs and Respiratory Tract to show the Mechanism of Breathing. |
| COMPUTER APPLICATIONS | <ul style="list-style-type: none"> 1.Introduction to OOP 2. Elementary Concept of Objects and Classes | <ul style="list-style-type: none"> 3.Values and Data Types 4.Operators in Java 5.Input in Java | <ul style="list-style-type: none"> Write any 6 Programs along with the Variable Description in A4 Size Pages. | <ul style="list-style-type: none"> 6. Mathematical Library Methods 7.Conditional Statement in Java | <ul style="list-style-type: none"> 8.Iterative Constructs in Java 9. Nested for Loops | <ul style="list-style-type: none"> Write any 14 Programs along with the Variable Description in A4 Size Pages (Total 20 Programs should be there in the Project File) |
| MATHEMATICS | <ul style="list-style-type: none"> Ch-1 Rational and Irrational Number Ch-3 Expansion Ch-4 Factorisation Ch-5 Simultaneous Linear Equations | <ul style="list-style-type: none"> Ch-8 Indices Ch-17 Trigonometrical Ratio Ch-2 Compound interest Ch-10 Triangles Ch-16 Mensuration | <ul style="list-style-type: none"> Running a tuck shop/canteen. | <ul style="list-style-type: none"> Ch-12 Pythagoras theorem Ch-6 Problems on simultaneous Linear Equations Ch-13 Rectilinear Figures Ch-19 Coordinate Geometry Ch-7 Quadratic Equations | <ul style="list-style-type: none"> Ch-18 Trigonometrical Ratios of standard angle Ch-11 Mid-point Theorem Ch-14 Theorems on area Ch-15 Circle Ch-20 Statistics Ch-9 Logarithms | <ul style="list-style-type: none"> Cutting a circle into equal sections of a small central angle to find the area of a circle by using the formula $A = \frac{1}{2}r^2\theta$. |
| HISTORY & CIVICS | History | History | <ul style="list-style-type: none"> Discuss The Art and Architectural | History | History | <ul style="list-style-type: none"> Make A Pictorial Presentation of |

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| | <ul style="list-style-type: none"> L-1 Harappan Civilization L-2 Early Vedic Civilization L-3 The Later Vedic Age <p>Civics</p> <ul style="list-style-type: none"> L-1 Our Constitution and Its Salient Features. | <ul style="list-style-type: none"> L-4 India in the 6th Century BC: Rise of Jainism and Buddhism. L-5 The Mauryan Empire. L-6 The Sangam Age L-7 The Age of The Guptas <p>Civics</p> <ul style="list-style-type: none"> L-3 Elections and The Election Commission. | <p>Features of Any of these-</p> <ol style="list-style-type: none"> 1) Buddhist Caves 2) Ajanta 3) Iron Pillar, Mehrauli 4) Kamakhya Temple, Guwahati 5) St.Thomas Basilica, Chennai. | <ul style="list-style-type: none"> L-8 South India and The Cholas L-9 The Delhi Sultanate L-10 The Mughal Empire. <p>Civics</p> <ul style="list-style-type: none"> L-4 Local Self-Government: Rural Local Institutions. | <ul style="list-style-type: none"> L-11 The Composite Culture L-12 The Renaissance L-13 The Reformation L-14 Industrial Revolution & Capitalism and Socialism. <p>Civics</p> <ul style="list-style-type: none"> L-5 Local Self-Government: Urban Local Institutions. | <p>Inventions and Innovations as a Result of The Industrial Revolution.</p> |
| GEOGRAPHY | <ul style="list-style-type: none"> Chapter 1: Earth as a Planet Chapter 3: Rotation and Revolution Chapter 4: Structure of the Earth Chapter 19: Map Work | <ul style="list-style-type: none"> Chapter 2: Geographic Grid – Latitudes and Longitudes Chapter 5: Landforms of the Earth Chapter 6: Materials of the Earth's Crust – Rocks Chapter 7: Volcanoes Chapter 8: Earthquakes Chapter 9: Weathering and Denudation Chapter 19: Map Work | <ul style="list-style-type: none"> Meteorological Instruments and their uses: Six's Maximum and Minimum Thermometer, Mercury Barometer, Android Barometer, Wind Vane, Anemometer, Rain Gauge and Hygrometer | <ul style="list-style-type: none"> Chapter 15: Types of Pollution Chapter 16: Sources of Pollution Chapter 17: Effects of Pollution and Preventive Measures Chapter 19: Map Work | <ul style="list-style-type: none"> Chapter 10: Hydrosphere Chapter 11: Atmosphere Chapter 12: Insolation Chapter 13: Atmospheric Pressure and Winds Chapter 18: Natural Regions of the World Chapter 19: Map Work | <ul style="list-style-type: none"> Find out the sources of Pollution of Water Bodies in the Locality and Determine the Quality of Water. |
| PHYSICAL EDUCATION | <ul style="list-style-type: none"> Lesson -1 Theory - The Human Anatomy and Physiology Practical - Foot Ball | <ul style="list-style-type: none"> Lesson-2 Theory- Muscular System Practical - Cricket | <ul style="list-style-type: none"> 1. Describe the History of Football Game. 2. Draw A Sketch of Football Field and Goal Post Indicating all the Measurement. 3. Fundamental Skills of Football - Passing, Shooting, Dribbling. | <ul style="list-style-type: none"> Lesson- 3 Theory - Respiratory System Practical - Basket Ball | <ul style="list-style-type: none"> Lesson - 4 Theory- Circulatory System Lesson-5 Theory- Games and Sports Practical- Badminton | <ul style="list-style-type: none"> 1. Describe the History of Basketball. 2. Draw A Sketch of Basketball Court Including All Kind of Measurement Including Poles, Backboard and Ring 3. Fundamental Skills of Basketball Dribbling, Chest Pass, Bounce Pass, Baseball Pass. |
| ECONOMIC APPLICATIONS | <ul style="list-style-type: none"> Chapter 1- Meaning and Definition of Economics Chapter 2- Basic Concepts of Economics | <ul style="list-style-type: none"> Chapter 3- Basic Problems of an Economy Chapter 4- Types of Economies Chapter 6- Nature and Features of The Indian Economy Chapter 7- India: A Developing Economy | <ul style="list-style-type: none"> 1. Take A developed Country Such as the USA and a Developing Country Such as India. analyse the main Characteristics of these Economies. 2. Identify the Major brands of Bathing Soaps that are available in the Market in your Area. Collect the Sales of | <ul style="list-style-type: none"> Chapter 8- Sectors of the Indian Economy Chapter 10 - Infrastructure of the Indian Economy | <ul style="list-style-type: none"> Chapter 9 - Agriculture, Industry and The Ecosystems Chapter 11- Consumer Awareness Chapter 12- Globalisation | <ul style="list-style-type: none"> 1. Make A Presentation on working of WTO. 2. Make A Presentation on Impact of Industrial Practice on the Ecosystem |

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| | | | these Brands over a Period of One Month in that Area. Identify the Brands that Sell the most and make a Presentation. | | | |
| PHYSICS | <ul style="list-style-type: none"> Chapter 1 - Measurement and Experimentation Chapter 2- Motion in One Dimension | <ul style="list-style-type: none"> Chapter 3- Laws of Motion Chapter 4 - Pressure in Fluids and Atmospheric Pressure Chapter 5 - Upthrust in Fluids, Archimedes' Principle and Floatation | <ul style="list-style-type: none"> 1.To Determine the Least Count Of Vernier Calliper And To Measure Diameter Of A Small Cylindrical Rod. 2. To Determine the Pitch and Least Count of Screw Gauge and To Measure the Mean Radius of Given Wire. | <ul style="list-style-type: none"> Chapter 6 - Heat and Energy Chapter 7 - Reflection of Light | <ul style="list-style-type: none"> Chapter 8 - Propagation of Sound Waves Chapter 9 - Current Electricity Chapter 10 - Magnetism | <ul style="list-style-type: none"> 3. To Verify The Law Of Reflection (Angle Of Incidence =Angle Of Reflection) Using Plane Mirror. 4. To Draw the Magnetic Field Lines of Earth and The Magnetic Field Lines Of A Bar Magnet Placed In The Magnetic Meridian With Its North Pole Pointing Towards The Geographic North. |
| CHEMISTRY | <ul style="list-style-type: none"> Chapter -1: The Language of Chemistry. Chapter-2: Chemical Changes & Reaction. Chapter -4: Atomic Structure & Chemical Bonding (Upto Exercise 4b) | <ul style="list-style-type: none"> Chapter -4: Atomic Structure & Chemical Bonding (The Remaining Portion) Chapter -3: Water Chapter -5: Periodic Table | <ul style="list-style-type: none"> 1. To Study The Action Of Heat On The Following Substances (Compounds) 2. Action of Dilute Sulphuric Acid on A Given Substances. | <ul style="list-style-type: none"> Chapter -6: Study of First Element Hydrogen. Chapter -7: Study of Gas Laws | <ul style="list-style-type: none"> Chapter -8: Atmospheric Pollution. Chapter -9: Practical Work. | <ul style="list-style-type: none"> 1. To Study the Characteristic Colours Imparted to The Flame By Certain Compounds (Metals) 2. To Find The Percentage Composition Of A Mixture Of Salt (NaCl) And Sand. |
| ENGLISH LANGUAGE | <ul style="list-style-type: none"> Notice Voice Change Letter (Formal) | <ul style="list-style-type: none"> Letter (Informal) E-Mail Composition Tense Subject- Verb Agreement Comprehension, (Summary Writing) Prepositions Direct and Indirect Speech | <ul style="list-style-type: none"> Speaking Skills (Topic to be given and discussed in the Class) | <ul style="list-style-type: none"> Transformation of Sentences Functional Grammar Picture Composition | <ul style="list-style-type: none"> Editorial Letter Transformation of Sentences Synthesis of Sentences | <ul style="list-style-type: none"> Listening Skills (Topic to be given and discussed in the Class) |
| ENGLISH LITERATURE | <ul style="list-style-type: none"> 1. Bonku Babu's Friend. (Prose) 2. The Night Mail (Poem) 3.Skimbleshanks: The Railway Cat. | <ul style="list-style-type: none"> 1. Drama Julius Caesar (Act 1) 2. Oliver Asks for More (Prose) 3. The Model Millionaire (Prose) 4. I Remember, I Remember (Poem) | <ul style="list-style-type: none"> Writing Skills (Topic will be discussed in the Class) | <ul style="list-style-type: none"> 1. Drama Julius Caesar (Act 2 Scene 1) 2. Home Coming (Prose) 3. A Doctor's Journal Entry. (Poem) | <ul style="list-style-type: none"> 1. Drama Julius Caesar (Act 2, Scene 2,3,4) 2. The Boy Who Broke the Bank. (Prose) 3. A Work of Artifice. (Poem) | <ul style="list-style-type: none"> Writing Skills (Topic will be discussed in the Class) |
| VALUE EDUCATION | | <ul style="list-style-type: none"> Ch-1 Gifts & Wrappings Ch-2 Super Face Production Ch-3 Beyond the Blues | | | <ul style="list-style-type: none"> Ch-8 A Rare Treasure Ch-9 Drink from the Source Ch-10 The Shadows | |

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| | | <ul style="list-style-type: none"> • Ch-4 No Full Stops in Life • Ch-6 Happiness is an Inside Thing | | | <ul style="list-style-type: none"> • Ch-12 Print Media Reality • Ch-13 Let us Celebrate Life | |
| SUPW | <p>MAIN CRAFTS/SERVICES (Any One)</p> <ul style="list-style-type: none"> • Pottery • Growing Medical Plants • Weaving • Hosiery Work • Embroidery Work • Dress Designing • Leatherwork • Making Toys and Puppets • Photography <p>SUBSIDIARY CRAFTS/SERVICES (Any One)</p> <ul style="list-style-type: none"> • Dyeing And Printing • Repair of Garments • Making Costumes • First Aid Boxes • Construction of Wastepaper baskets • Dustbins • Garbage Cans | | | | | |