



Asian International School

New Korolah, NH-6, Alampur, Howrah - 711 302, West Bengal, India

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SUBJECT	TOPICS	SUBTOPICS
ENGLISH	1. UNSEEN	1. COMPREHENSION/POEM 2. PASSAGE- PROSE/POEM
	2. GRAMMAR	1. FUNCTIONAL GRAMMER 2. STRUCTURAL USAGE OF ENGLISH
	3. CREATIVE WRITING / COMPOSITION	1. NARRATION 2. DESCRIPTIVE 3. IMAGINATIVE 4. ARGUMENTATIVE
MATHS	1. QUADRATIC EQUATION	1. SUMS AND PROBLEMS
	2. TRIGNOMETRY	1. COMPLEMENTARY ANGLES 2. IDENTITIES 3. HEIGHTS AND DISTANCES
	3. STATISTICS	1. MEAN 2. MEDIAN 3. MODE 4. CUMMULATIVE FREQUENCY GRAPH
	4. MENSURATION	SURFACE AREA AND VOLUME OF 1. CIRCLES 2. CUBES 3. CUBOIDS 4. SPHERE 5. CONE 6. CYLINDER
	5. GEOMETRY	1. TRIANGLES – SIMILARITY, PHYTHAGOROUS THEOREM 2. CIRCLE – AREA, TANGENT
PHYSICS	1. LIGHT	1. REFLECTION THROUGHT PLANE MIRROR REFLECTION THROUGHT SPHERICAL MIRROR REFRACTION THROUGH GLASS SLAB 2. REFRACTION THROUGH PRISM REFRACTION THROUGH LENS 3. RAY DIAGRAM 4. 5. 6.



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	2. LIGHT –NATURAL PHENOMENA	<ol style="list-style-type: none"> 1. DISPERSION 2. SCATTERING 3. RAINBOW 4. EARLY SUNRISE /DELAYED SUNSET
	3. ENERGY SOURCES	<ol style="list-style-type: none"> 1. TYPES OF ENERGY 2. ADVANTAGES / DISADVANTAGES 3. GENERATION OF ELECTRICITY
	4. ELECTRICITY	<ol style="list-style-type: none"> 1. OHMS LAW 2. JOULES LAW OF HEATING 3. POWER 4. COMBINATION OF RESISTORS 5. HOUSEHOLD CONNECTION
	5. MAGNET EFFECT OF CURRENT	<ol style="list-style-type: none"> 1. OERSTED EXPERIMENT 2. FLEMMINGS RULES 3. SOLENOID 4. ELECTROMAGNET 5. AC GENERATOR 6. DC MOTOR
CHEMISTRY	1. ATOMS AND MOLECULES	<ol style="list-style-type: none"> 1. FUNDAMENTAL ATOMIC PARTICLES 2. ELECTRONIC CONFIGURATION OF ATOMS 3. VALENCY 4. MOLE CONCEPT
	2. PERIODIC CLASSIFICATIONS OF ELEMENTS	<ol style="list-style-type: none"> 1. PERIODIC PROPERTIES AND THEIR VARIATION IN GROUPS AND PERIODS 2. MENDELEEV'S PERIODIC TABLE 3. MODERN PERIODIC TABLE 4. METALLIC AND NONMETALLIC PROPERTIES
	3. ACIDS,BASE AND SALTS	<ol style="list-style-type: none"> 1. GENERAL PROPERTIES OF ACIDS,BASES AND SALTS, INDICATORS 2. IMPORTANCE OF pH , 3. FORMULA AND USES OF SOME ACIDS, BASES AND SALTS.
	4. METALLURGY	<ol style="list-style-type: none"> 1. CHEMICAL PROPERTIES OF METALS AND NONMETALS 2. REACTIVITY SERIES 3. IONIC AND COVALENT BONDING



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	5.CHEMICAL REACTIONS AND EQUATIONS	1. TYPES OF CHEMICAL REACTIONS 2. BALANCING OF CHEMICAL REACTIONS
BIOLOGY	1. BASIC BIOLOGY:CELLS AND TISSUES	1. CELL: UNIT OF LIFE, CELL ORGANELLES AND THEIR FUNCTIONS 2. DIFFERENCE BETWEEN: PROKARYOTIC AND EUKARYOTIC CELLS, ANIMAL AND PLANT CELLS 3. TISSUES-TYPES AND FUNCTIONS OF PLANT AND ANIMAL TISSUES
	2. CONTROL AND COORDINATION	1. ANIMALS- NERVOUS SYSTEM, REFLEX ACTION, HUMAN BRAIN 2. PLANTS- STIMULUS AND RESPONSE, TROPIC MOVEMENTS
	3. REPRODUCTION IN ANIMALS AND PLANTS	ANIMALS- 1. TYPES OF REPRODUCTION IN UNICELLULAR ORGANISMS. 2. MALE AND FEMALE REPRODUCTIVE SYSTEMS 3. SEXUAL REPRODUCTION PLANTS- 1. STRUCTURE OF FLOWER AND FUNCTIONS OF FLORAL PARTS 2. SEXUAL REPRODUCTION IN PLANTS
	4. LIFE PROCESSES IN PLANTS AND ANIMALS	1. NUTRITION 2. RESPIRATION 3. EXCRETION 4. TRANSPORTATION
	5. HEALTH AND HYGIENE	1. PERSONAL HYGIENE