

MAHATMA GANDHI MISSION PRIMARY & SECONDARY SCHOOL ENGLISH MEDIUM						
ANNUAL PEDAGOGICAL PLAN AND CURRICULUM						
ACADEMIC YEAR 2023-24		CLASS 11	SUBJECT - ENGLISH			
SR.NO.	LESSON	LEARNING OUTCOMES	RESOURCE MATERIAL/E CONE	ACTIVITY/PROCESS	COMPETE NCY	ART INTEGRATION
1)	The Portrait of a Lady [H]	1) The Portrait of a Lady: The students will be able to	see chapter cut Diksha app from	.iii) Appreciate the theme iv) understand that objects like the sun, the river and the oceans are perennial and everlasting, but human life is too short in comparison v) understand child psychology. ACTIVITY:	Language skills	
	By Khushwant Singh	i)to develop an independent attitude in thought and action ii) to accept and manage the situations with			listening skills	
2	2) A	2) A Photograph: The students will be able to-i) understand the importance of human relationship. ii) Understand the nostalgic experiences of the past.	Diksha app	: GROUP DISCUSSION ON The	Language skills	
	Photograph: by	iii) Understand that the moments of life have been permanently etched in the poet's mind with a feeling of eternal loss.		Portrait Of A Lady is a reminder about agrowing distancebetween the young and the older generation.		
	Shirley	iv) Understand that death is imminent and human life is mortal.				
	Toulson					
3	We'reNotAfraid to Die[H]	The students will be able to(i) learn the parts of ship and different terms/ words related to voyage (ii)understand the expressions and phrasal verbs used in the lesson and their usage(iii) realize the hazardousexperience teaches one to face the	Diksha app		Language skills	
4	Laburnum Top	i) Think, analyse and observe ii) Know how to identify rhyme scheme	Diksha app			
				i) understand what are the hardships of life and how we can overcome them		
5	The Address	The Address: To enable the students - i) to inculcate values like courage, empathy, sensitivity, critical thinking and maintaining relations.	Diksha app	students to- i) read effectively with proper voice modulation.		
6	Discovering Tut	Discovering Tut: The students will be able to	Diksha app	i) Understand the meaning and usage of	Language skills	
		i)Think, analyse and observe		technology		
		iii)Satisfy their curiosity about King Tut s mummy		iii)know about Egyptian belief of		
		iv)Know about the archaeology and advancement in technologies v)Understand the wastefulness of war		mummification iv)have the historical knowledge about King Tut s family line v)know about pyramids and their history vi)know how archaeology has changed in the		

7	POETRY: The Voice of the Rain [H]	The Voice of the Rain: The		ACTIVITY Recitation and self	Language skills	
		students will be able to i) inculcate values like care and concern to save environment ii) develop imaginative and		Study		
		analytical skills				
8	The Ailing Planet TheGreenMovement's Role [H]	The Ailing Planet: The students will be able to understand	Diksha app	Sustainable Development. ACTIVITY Activity (to support learning)		
		i) Issues of the decline state of Mother Earth and sustainable development.		i) Discussion on „Laws are never respected nor enforced in India.		
		ii) share and care and not dominate		Explain-„We have not inherited this earth from our forefathers but burrowed it from our children.		
				ii) The most dangerous animal is man. How?		
				iii) What role can industry play in safeguarding environment		
9	Mother's Day [Sn/]	The students will be able to i) Know that mothers have equal rights to enjoy their lives and deserve acknowledgement and appreciation.	Diksha app	ACTIVITY Activity: (to support learning) i) Is drama a good medium for conveying a social message? Discuss		
		ii) Strengthen the family bonding with sharing and solving problems.		ii) Mother works from morning till night catering to the needs of everyone. Do we ever realise that she too is a human being and needs rest? Share your views about the role of mother in your life.		
		iii) Develop analytical skills, thinking skills, decision making, management skills, and logical skills.				
		iv) identify and understand the				
10	Childhood [H]	Childhood:: The students will be able to	Diksha app	Activity: (to introduce the lesson) Warm up activity i) Share your childhood experience (How you were innocent) ii) How can you define "maturity ? Can we exactly say at what		
		i) Think, analyse and observe ii) Know how to identify rhyme scheme				
		iii) Gain individuality iv) Differentiate between innocence and maturity				
11	Silk Road	storylines/life experiences.		Activity: (to introduce the lesson) Discussion on „Adventure in life and „Importance of Travelling		
12	Birth [Sn]	The students will be able to i) Understand the sense of duty. ii) Appreciate and accept the selfless service to mankind. (iii) Realise and create a balance between the knowledge gained and practical approach.	Diksha app	Activity: (To support learning) i) Noble profession of doctors and service to mankind. ii) There lies a great difference between textbook medicine and the world of a practicing physician. Skills: comprehension skill, analytical skill, sensitivity, awareness, presence of mind, time management, language skills and thinking skill.		

Mahatma Gandhi Mission Primary & Seconday School				
Phase – II, Sector – 8, Nerul, Navi Mumbai				
YEAR PLAN 2023-2024				
STD:- XI SUB:- Maths Teacher:-Mrs. Supriya G Dunde				
MONTH	WEEK	Unit	TOPIC	Activity
APRIL	1	Relations and Functions	Cartesian products of sets, Relations, Functions, Algebra of real functions	Class intraction and discussion
	2			
	3			
	4	Binomial Theorem	Introduction, Binomial Theorem for positive integral indices, General and middle terms	Class intraction and discussion
	5			
JUNE	2	Sets		Class intraction and discussion
	3			
	4		Introduction, Sets and their Representations, The empty sets, finite and infinite sets, equal sets, subsets, universal sets, Venn diagram, operations on sets, complement of set	
	5	Linear Inequalities	Introduction, Inequalities, Algebra solutions of linear Inequalities in one variables and their graphical representation,	Class intraction and discussion
JULY	1	JULY PERIODIC TEST 1st JULY TO 7th JULY PT1 EXAM		
	2			
	3	Trigonometric Functions	Introduction,Angles, Trigonometric Functions, Trigonometric Functions of sum and difference of two angles, Trigonometric equations	Class intraction and discussion
	4			
	5			

AUGUST	1	Complex Numbers and Quadratic Equations		Class intraction and discussion
	2		Introduction, Complex Numbers, Algebra of Complex Numbers, The modulus and The conjugate of a complex Numbers, Argand plane and polar representation	
	3			
SEPTEMBER	1			
	2			
	3	PT2 EXAM		
	4			
	5	Permutations and combinations	Introduction, Fundamental Principle of counting, Permutations, Combinations	Class intraction and discussion
	1		Introduction, Sequences, Series, Arithmetic progression, Geometric progression	Class intraction and discussion
	2	Sequence and Series		
	3	Straight Lines	Introduction,Slope of line, Various forms of the equation of a line, General equation of a line	Class intraction and discussion

OCTOBER	4			
	5	Probability	Introduction, Random Variable, Event	Class intraction and discussion
NOVEMBER	1	Conic Sections	Introduction, Section of a Cone, Circle, Parabola, Ellipse, Hyperbola	Class intraction and discussion
	2	DIWALI VACATION		
	3			
	4			
	5			
DECEMBER	1	Introduction to Three Dimensional Geometry	Introduction, Coordinate Axes and coordinate Planes in three dimensional space, coordinates of a point in space, Distance between two points	Class intraction and discussion
	2	PT3 EXAM		
	3			
	4			

JANUARY	1	Limits and Derivatives	Introduction, Intuitive idea of derivatives, Limits, Limits of trigonometric Functions, Derivatives	Class intraction and discussion
	2			
	3			
	4	Statistics	Introduction, Measures of Dispersion,Range,Mean Deviation, Variance and Standard Deviation	Class intraction and discussion
	5			
FEBRUARY	1		Revision and Practical Exam	
	2			
	3			
	4			
	5			
MARCH		Annual Exam		



Class -XI

MGM Pri and Sec School(Eng Med)

Sub-Science(Physics)

2023_24

Lesson	Learning outcome	Resource material	Activity/Process	Competency
Month-1				
Physical World and Measurement	Chapter1 -Physical World	E textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.com		Understand the importance of learning Physics
Month-2				
Units and Measurement	Chapter–2: Units and Measurements	E textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.com	To plot a graph for a given set of data, with proper choice of scales and error bars	Understand the use of SI unit ,symbol,nomenclature of physical quantity as per international std
Month -3				
Unit-II Kinematics	Chapter–3: Motion in a Straight	E textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.comYou tube		Learn the concept of uniform accelerated motion,free fall and relative motion
Month4		unit test 1		
Unit-II Kinematics	Chapter–4: Motion in a Plane	E textbook of NCERT.Syllabus of CBSE curriculum 2020-21		Learn the concept of vectors and motion in plane
Month 5				
Unit–III Laws of Motion	Chapter–5: Laws of Motion	.My cbseguide.comYou tube video of khan academy		Learn Newton law,dynamics of UCM and examples
Month6				

Unit-IV Work, Energy and Power	Chapter-6: Work, Energy and Power	E textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.comYou tube video of khan academy.e pathshala and DIKSHA		Compare the conservative and non conservative forces,Work energy relation
Month7				
Unit-V Motion of System of Particles and Rigid Body	Motion of System of Particles and Rigid Body 16 Chapter-7: System of Particles and Rotational Motion	E textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.comYou tube vidieo of khan academy.e pathshala		Learn the concept of MI
Month8				
Unit-VI Gravitation 8	8. Gravitation	textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.comYou tube vidieo of khan		Gravitational law,orbital velocity,escape velocity
Month 9		First Semester		
Unit-VII Properties of Bulk Matter	Chapter-9: Mechanical Properties of Solids Chapter-10: Mechanical Properties of Fluids Chapter-11: Thermal Properties of	textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.comYou tube vidie of khan academy.e pathshala and DIKSHA	To find the force constant of a helical spring by plotting a graph between load and extension	Learn the calcualtion of Young's modulus and bulk modulus.stress - strain graph
Month 10				
Unit-VIII Thermodynamics	Chapter-12: Thermodyr	textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.comYou tube vidie of khan academy.e pathshala and DIKSHA portal	To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.	Thermal expansion of solid ,liquid and gases and anomalous expansion of water

Unit -IX Behaviour of Perfect Gases and Kinetic Theory of Gases	Chapter–13: Kinetic The	textbook of NCERT.Syllabus of CBSE curriculum 2020-21.My cbseguide.comYou tube vidie of khan academy.e pathshala and DIKSHA		Law of equipartition of energy
Unit–X Oscillations and Waves	Chapter–14: Oscillations Chapter–15: Waves			SHM Periodic motion
		Revision by TBL Method & Test		
		Revision by TBL Method & Test		
		First Preliminary Examination		
		Second Preliminary Examination		
		& Sample Paper solving		
		Annual Exam		

Mahatma Gandhi Mission Primary & Secondary School					
Phase – II, Sector – 8, Nerul, Navi Mumbai					
YEAR PLAN 2023-2024					
STD: -XI		Sub:-	Chemistry	Teacher :- Manasvi Shigwan	
MONT H	WEEK	NO. OF DAYS	LESSON	TOPIC	Activity
JUNE	2	6	Some basic concepts in organic chemistry	Hydrocarbons,Classification, IUPAC Nomenclature, Isomeric, Electromeric, Inductive effect,	Chemistry laboratory visit & Students presentation
	3	6			
	4	5			
	5	5			
JULY	1	1	JULY PERIODIC TEST 1st JULY TO 7th JULY		
	2	6			
	3	6	Some basic concepts of Chemistry & Structure of Atom	Farady's ,Bohr's model, cathode, anode rays, Sir J.J Thomson's model, Quantum no, electronic configuration, filling of electrons.	Volumetric analysis
	4	6			
	5	5			
AUGUST	1	5	Periodic Classification of elements	Isoelectronic species, electronegativity, Anamolous behaviour, Diagonal relationship, learning of elements	Volumetric analysis
	2	6			
	3	4			
	4	6			
	5	3			
SEPTEMBER	1	2	Term -1 Theory & Practical Exam		
	2	5			
	3	6	Chemical Bonding	Structure, Nomenclature, Chemical reactions of Aldehydes	Purification of Alum,Mohrs salt
	4	1			
	5	5			
OCTOBER	1	5	Hydrocarbons	Classification, Homologous series, Alkanes,Alkenes, Alkynes,Benzene preparationphysical and chemical properties	Salt Analysis
	2	6			
	3	6			
	4	5	Thermodynamics	Types of system ,PV Type of work done in reversible expansion and irreversible expansion of gases.	Salt Analysis
	5	2			
NOVEMBER	1	4	DIWALI VACATION		
	2	4			
	3	0			
	4	0			
	5	3			


DECEMBER	1	2	Thermodynamics	First law of thermodynamics, Internal energy, enthalpy, entropy, bond dissociation , bond formation, Second and third law of thermodynamics	Melting point and Boiling point
	2	6			
	3	6	Redox reactions	Oxidation no, Salt bridge , Balancing of Redox reaction.	Salt Analysis
	4	5			
ANUARY	1	6	Equilibrium	Equilibrium in physical and chemical processes, dynamic equilibrium, law of mass action, LeChatlier's principle, Common ion effect	Students presentations
	2	6			
	3	5			
	4	6			
	5	5			Unit test-2
FEBRUARY	1	3	Revision		
	2	3			
	3	6			
	4	6			
	5	0	Annual Exam		
MARCH					



Mahatma Gandhi Mission Primary & Secondary School				
Phase – II, Sector – 8, Nerul, Navi Mumbai				
YEAR PLAN 2023-2024				
STD:- XI		SUB:- Biology	Teacher:- Shalini Tiwari	
MONTH	WEEK	Unit	TOPIC	Activity
JUNE	2	Chapter-1: The Living World	Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature	finding of 10 different species binomial nomenclature
	3	Chapter-2: Biological Classification	Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups; Lichens, Viruses and Viroids.	study of lichen by specimen
	4	Chapter-4: Animal Kingdom	Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level (salient features and at a few examples of each category)	Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liver fluke, Ascaris, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit
	5			
JULY	1	JULY PERIODIC TEST 1st JULY TO 7th JULY PT1 EXAM		
	2			
	3	Chapter-3: Plant Kingdom	Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta, Gymnospermae	Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen
	4	Chapter-5: Morphology of Flowering Plants	Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae	Study and describe locally available common flowering plants, from family Solanaceae. Different types of inflorescence (cymose and racemose).
	5	Chapter-8: Cell-The Unit of Life	Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus.	Study of osmosis by potato osmometer. Study of plasmolysis in epidermal peels (
AUGUST	1	Chapter-10: Cell Cycle and Cell Division	Cell cycle, mitosis, meiosis and their significance	Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides
	2	Chapter-9: Biomolecules	Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, and nucleic acids; Enzyme - types, properties, enzyme action	Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials
	3			
SEPTEMBER	1	Revision of Half yearly syllabus		
	2			
	3	Half yearly exam		
	4			

	5	Chapter-7: Structural Organisation in Animals	Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog	diagram making activity of different system of frog
OCTOBER	1			
	2	Chapter-17: Breathing and Exchange of Gases	Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.	notes on occupational disorder
	3	Chapter-18: Body Fluids and Circulation	Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure.	study of ECG machine in a near by cardiologist clinic
	4	Chapter-19: Excretory Products and their Elimination	Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system – structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant.	Test for presence of urea in urine. . Test for presence of sugar in urine. . Test for presence of albumin in urine. Test for presence of bile salts in urine.
	5	Chapter-20: Locomotion and Movement	Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.	Human skeleton and different types of joints with the help of virtual images/models
NOVEMBER	1			
	2	DIWALI VACATION		
	3			
	4			

	5	Chapter-6: Anatomy of Flowering Plants	Anatomy and functions of tissue systems in dicots and monocots.	Preparation and study of T.S. of dicot and monocot roots and stems
DECEMBER	1	Chapter-21: Neural Control and Coordination	Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse	diagram activity of structure of brain
	2	PT3 EXAM		
	3			
	4			
JANUARY	1	Chapter-22: Chemical Coordination and Integration	Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease.	chart making activity of hormones and gland
	2	Chapter-13: Photosynthesis in Higher Plants	Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.	Separation of plant pigments through paper chromatography
	3			
	4	Chapter-14: Respiration in Plants	Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient.	Study of the rate of respiration in flower buds/leaf tissue and germinating seeds. Study of distribution of stomata on the upper and lower surfaces of leaves
	5	Chapter-15: Plant - Growth and Development	Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; plant growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA.	Comparative study of the rates of transpiration in the upper and lower surfaces of leaves
FEBRUARY	1	Revision and Practical Exam		
	2			
	3			
	4			
	5	Annual Exam		
MARCH				

		Mahatma Gandhi Mission Primary & Secondary School	
		Phase – II, Sector – 8, Nerul, Navi Mumbai	
YEAR PLAN 2023-2024			
STD: -XI		SUB:-COMP SCI	Teacher: - Mrs. Sangeeta Gunjal
MONTH	WEEK	Unit	TOPIC
APRIL	1	XI START IN JUNE	
	2		
	3		
	4		
	5		
JUNE	2	1.Computer system Overview	Basic Computer Organisation
	3	2.Data Representation	Digital Number systems,Number Conversions
	4		
	5		
JULY	1	JULY PERIODIC TEST 1st JULY TO 7th JULY PT1 E	
	2		
	3	3.Boolean Logic	Logical Operations,Basic Logical Gates
	4		
	5	5.Getting started with Python	Working in Python, Working in Defualt Pyhon Distribution
AUGUST	1	6.Pyhton Fundamentals	Python Character Set
	2		Barebones of a Python Progam
	3		Variables and Assignments
	4		Data Types
	5		
SEPTEMBER	1	7.Data Handaling	Mutable and Immutable types
	2		
	3	PT2 EXAM	
	4		
	5	8.Flow of Control	Type of statements in Python
OCTOBER	1	9.Sring Manipulation	Traversing a String
	2		Creating and Accessing Lists
	3	10.List Manupulating	
	4		
	5		
NOVEMBER	1	11.Tuples	Creating and Accessing Tuples
	2	DIWALI VACATION	
	3		
	4		
	5	12.Dictionaries	Dictionary-Key:Value Pairs
	1		
	2		

DECEMBER	3	PT3 EXAM	
	4		
	5	13. Understanding Sorting	What is sorting,Bubble Sort ,Insertion Sort
JANUARY	1	14..Cyber Safety	What is Cyber Safety?
	2		Computer Forensics
	3	15.Onlin access and Compter Security	Threats to computer security
	4		Solution in Computer Security Threats.
	5	16. Society Law and Ethics	Ethical Issues,Diability issues while teaching and using computers.
FEBRUARY	1		
	2	Revision and Practical Exam	
	3		
	4		
	5	Annual Exam	
MARCH			

Activity
What are the functin of memory? What are the Measuring Unit?
Conver the following into Binary,Octal,Hexadecimal and Unicode
EXAM
Draw the basic logic gates with truth table
1.Python Pluses 2. Python-someminuses
Lab Work-How to install Python
Lab Work-Write Simple Program in Python
Lab Work- Program to display a menu for calcuating area of circle or Perimeter of a circle
Lab Work- Program that reads a line and prints its statistics.
Lab Work- Program to calculate mean of a given list of Numbers
Lab Work Program to create Tuples
Lab Work Write a Pogram to create a Dictionary containing names of competitionl winner student as a key and no. of their win as a value

Program to sort a sequence using insertion sort,Bubble Sort
Home work:1: What is Cyber Safety?
2.What should you do to protect your identity on internet?
1.What are the threats?
2.What is a Virus? What is anti-virus software?
1. What is online fraud? 2. What are the intellectual property rights?