

VENKATESHWAR GLOBAL SCHOOL, ROHINI
ANNUAL SYLLABUS PLAN 2023-24
CLASS – X



SUBJECT – ENGLISH		
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)
MARCH	13 to 31	A Letter to God, Dust of Snow, Fire and Ice, Formal Letters based on a given situation, Nelson Mandela:
APRIL	3 to 14	A Tiger in the Zoo, Reading Comprehension, Two Stories about Flying
	17 to 28	A Triumph of Surgery, Integrated Grammar, The Thief's Story, Formal Letters on a given situation.
MAY	1 to 12	From the Diary of Anne Frank, How to Tell Wild Animals, Analytical Paragraph
	15 to 26	Amanda, The Midnight Visitor, Integrated Grammar, Analytical Paragraph
JULY	3 to 14	Reading Comprehension, Formal Letters Based on a Given Situation
	17 to 31	A Question of Trust, Formal Letters Based on a Given Situation, Glimpses of India
AUGUST	1 to 11	Analytical Paragraph, Mijbil the Otter, Integrated Grammar
	14 to 31	The Trees, Analytical Paragraph, Fog, Footprints Without Feet, ASL,
SEPTEMBER	1 to 15	Madam Rides the Bus, Reading Comprehension, The Tale of Custard the Dragon, Making of a Scientist, Revision
	18 to 29	MID TERM
OCTOBER	1 to 13	The Sermon at Benaras, Integrated Grammar, The Necklace
	16 to 31	Reading Comprehension, Letters based on a given situation
NOVEMBER	1 to 17	The Proposal, Integrated Grammar,
	20 to 30	Bholi, Reading Comprehension, The Book that Saved the Earth
DECEMBER	1 to 15	Revision, ASL
	18 to 29	PRE BOARD 1
JANUARY	8 to 19	Revision
	22 to 31	PRE BOARD 2
FEBRUARY	1 to 9	PRE BOARD 2
	12 to 29	

SUBJECT – HINDI		
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)
MARCH	13 to 31	कबीर की साखी (गद्य खंड), बड़े भाई साहब (गद्य खंड), मुहावरे (व्याकरण)
APRIL	3 to 14	रचना के आधार पर वाक्य (व्याकरण), अनुच्छेद लेखन
	17 to 28	हरिहर काका (संचयन), पदबंध (व्याकरण)
MAY	1 to 12	सूचना लेखन, ततारु वामीरो प्रेम कथा (गद्य खंड)
	15 to 26	पुनरावृत्ति PT 1, मीरा के पद (पद्य खंड)
JULY	3 to 14	डायरी का एक पन्ना, पतझड़ में टूटी पत्तियाँ (गद्य खंड)
	17 to 31	सपनों के से दिन, औपचारिक पत्र लेखन, ई-मेल लेखन
AUGUST	1 to 11	श्रवण कौशल, पुनरावृत्ति PT 2, बहुविकल्पीय मूल्यांकन, पर्वत प्रदेश में पावस (पद्य खंड)
	14 to 31	समास (व्याकरण), आत्मत्राण (पद्य खंड), तोप (पद्य खंड), अपठित गद्यांश

SEPTEMBER	1 to 15	विज्ञापन, लघु कथा, वाचन कौशल, पुनरावृत्ति (MID TERM)
	18 to 29	MID TERM
OCTOBER	1 to 13	कारतूस (गद्य खंड), दूसरों के दुःख से दुखी होने वाले (गद्य खंड)
	16 to 31	मनुष्यता (पद्य खंड), पुनरावृत्ति PT 3
NOVEMBER	1 to 17	तीसरी कसम के शिल्पकार (गद्य खंड), कर चले हम फ़िदा (पद्य खंड)
	20 to 30	टोपी शुक्ला (संचयन), श्रवण कौशल, वाचन कौशल
DECEMBER	1 to 15	बहुविकल्पीय मूल्यांकन, पुनरावृत्ति (वार्षिक परीक्षा),
	18 to 29	PRE BOARD 1
JANUARY	8 to 19	पुनरावृत्ति (वार्षिक परीक्षा)
	22 to 31	PRE BOARD 2
FEBRUARY	1 to 9	PRE BOARD 2

SUBJECT – MATHEMATICS			
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)	SYLLABUS TO BE COVERED (PRACTICAL/PROJECT)
MARCH	13 to 31	Ch 1- Real Numbers, Ch 2- Polynomials	
APRIL	3 to 14	Ch 4- Quadratic Equations	To draw the graph of a quadratic polynomial and observe: (i) The shape of the curve when the coefficient of x^2 is positive. (ii) The shape of the curve when the coefficient of x^2 is negative. (iii) Its number of zeroes.
	17 to 28	Ch 7- Coordinate Geometry	To verify the distance formula by graphical method.
MAY	1 to 12	Ch 3- Linear Equations in two variables	To verify the conditions of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.
	15 to 26	Revision	
JULY	3 to 14	Ch 12- Surface Area and Volume	To obtain formula for area of a circle experimentally
	17 to 31	Ch 14- Probability	To determine experimental probability of 1, 2, 3, 4, 5 or 6 by throwing a die
		Ch 14- Probability	40 times and compare them with their theoretical probabilities.
AUGUST	1 to 11	Revision	
	14 to 31	Ch 8- Trigonometry	To verify experimentally trigonometric identity
SEPTEMBER	1 to 15	Ch 9- Applications of Trigonometry	
	18 to 29	MID TERM	
OCTOBER	1 to 13	Ch 5- Arithmetic Progression,	To find the sum of first n natural numbers
	16 to 31	Ch 6- Triangles,	To verify basic proportionality theorem
NOVEMBER	1 to 17	Ch 10- Circles	To verify that the lengths of tangents to a circle from some external point are equal.
	20 to 30	Ch 11- Areas Related to Circles	
DECEMBER	1 to 15	Ch 13- Statistics	To present and compare central tendencies of a data
	18 to 29	PRE BOARD 1	
JANUARY	8 to 19		
	22 to 31	PRE BOARD 2	
FEBRUARY	1 to 9	PRE BOARD 2	
	12 to 29		

SUBJECT – SCIENCE			
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)	SYLLABUS TO BE COVERED (PRACTICAL/PROJECT)
MARCH	13 to 31	CH 1: CHEMICAL REACTIONS AND EQUATION	*Performing and observing the various reactions and classifying them.
		CH 5: LIFE PROCESSES	
APRIL	3 to 14	CH 5: LIFE PROCESSES(Cont.)	*To determine focal length of (i) concave mirror and (ii) convex lens.
		CH 9 : LIGHT : Reflection and Refraction	
	17 to 28	CH 9 : LIGHT : Reflection and Refraction	
MAY	1 to 12	CH 10: THE HUMAN EYE AND THE COLOURFUL WORLD	*Passage of a ray of light through a glass slab * Passage of a ray of light through a glass prism
	15 to 26	CH: 13 OUR ENVIRONMENT, Revision for PTI	
JULY	3 to 14	CH 2 : ACIDS, BASES AND SALTS (10 days)	*To find the pH of the certain samples by using pH paper/universal indicator. To study the properties of acids and bases (dilute HCl & dilute NaOH) by studying their reaction with i) Litmus solution (Blue/Red) ii) Zinc metal iii) Solid Sodium Carbonate
	17 to 31	CH 2 : ACIDS, BASES AND SALTS CH: 3 METALS AND NON METALS	*Observing the action of Zn, Fe, Cu and Al metals on the various salt solutions.
AUGUST	1 to 11	CH: 3 METALS AND NON METALS + revision	
	14 to 31	CH: 7 HOW DO ORGANISMS REPRODUCE	
SEPTEMBER	1 to 15	CH: 8 HEREDITY	*To show permanent slides of Fission in amoeba and budding in yeast and hydra.
		+ Revision	Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean)
	18 to 29	MID TERM	
OCTOBER	1 to 13	CH: 4 CARBON AND ITS COMPOUNDS	*To study the properties of Ethanoic Acid,
			*To study the comparative cleaning capacity of sample of soap in soft and hard water
	16 to 31	CH: 4 CARBON AND ITS COMPOUNDS	*Verification of Ohm's Law
		CH: 11 ELECTRICITY	*Determination of the equivalent resistance of two resistors when connected in series and parallel.
NOVEMBER	1 to 17	CH: 11 ELECTRICITY CH: 12 MAGNETIC EFFECTS OF CURRENT	
	20 to 30	CH: 6 CONTROL AND COORDINATION	
DECEMBER	1 to 15	CH: 6 CONTROL AND COORDINATION + Revision	
	18 to 29	PRE BOARD 1	

JANUARY	8 to 19		
	22 to 31	PRE BOARD 2	
FEBRUARY	1 to 9	PRE BOARD 2	
	12 to 29		

SUBJECT - SOCIAL SCIENCE			
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)	
MARCH	13 to 31	Power Sharing	
		Development	
		Resource and Development	
APRIL	3 to 14	Resource and Development (Cont)	
		Forest and Wildlife Resources	
	17 to 28	Nationalism in India	
		Water Resources	
MAY	1 to 12	Water Resources (Cont)	
	15 to 26	Federalism	
		Revision of PT 1 Syllabus	
JULY	3 to 14	Rise of Nationalism in Europe	
		Sectors of Indian Economy	
	17 to 31	Making of the Global World, Agriculture	
		Gender, caste and Religion	
AUGUST	1 to 11	Money and Credit	
		Revision of PT 2 Syllabus	
	14 to 31	Political Parties	
		Mineral and Energy Resources	
SEPTEMBER	1 to 15	Mineral and Energy Resources (Cont)	
		Revision of Mid Term	
	18 to 29	MID TERM	
OCTOBER	1 to 13	Manufacturing Industries	
		Globalization and the Indian Economy	
	16 to 31	Lifelines of National Economy	
		Outcomes of Democracy	
		Revision of PT 3	
NOVEMBER	1 to 17	Print Culture and the Modern World	
	20 to 30	Cont.	
DECEMBER	1 to 15	Revision	
	18 to 29	PRE BOARD 1	
JANUARY	8 to 19	Sample Paper Practice	
	22 to 31	PRE BOARD 2	
FEBRUARY	1 to 9	PRE BOARD 2	
	12 to 29		

SUBJECT – FRENCH			
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)	
MARCH	13 to 31	Leçon 1 Retrouvons nos amis	
APRIL	3 to 14	Leçon 2 Après le bac	
	17 to 28	Leçon 3 Chercher du travail	
MAY	1 to 12	Leçon 4 Le plaisir de lire	
	15 to 26	PT 1	
JULY	3 to 14	Leçon 5 Les Médias	
	17 to 31	Leçon 6 Chacun ses goûts	
AUGUST	1 to 11	Revision	
	14 to 31	PT2	
SEPTEMBER	1 to 15	Leçon 7 En pleine forme	
	18 to 29	MID TERM	
OCTOBER	1 to 13	Leçon 8 L'environnement	
	16 to 31	PT 3	
NOVEMBER	1 to 17	Leçon 10 Vive la République	
	20 to 30	Revision	

DECEMBER	1 to 15	Revision
	18 to 29	PRE BOARD 1
JANUARY	8 to 19	
	22 to 31	PRE BOARD 2
FEBRUARY	1 to 9	PRE BOARD 2
	12 to 29	

SUBJECT - GERMAN		
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)
MARCH	13 to 31	Lektion 6 Magst du grüne Bohnen?
		Indirect Fragen
APRIL	3 to 14	Adjectivedeklination
	17 to 28	Wortschatz (Textbuch)
MAY	1 to 12	Lektion 7 die App, die den
		Dieb findet
		Praeteritum , Preposition
	15 to 26	Steigerung & Relativepronomen mit Preposition
JULY	3 to 14	Lektion 8 Einfach Sprachen
		lernen
	17 to 31	Obwohl
AUGUST	1 to 11	E- Mail / Dialogue Writing
	14 to 31	Wortschatz (Textbuch)
SEPTEMBER	1 to 15	Revision
	18 to 29	MID TERM
OCTOBER	1 to 13	Lektion 9 Deine Hilfe zählt
		Wortschatz (Textbuch)
	16 to 31	Konnektoren
NOVEMBER	1 to 17	Wortschatz (Textbuch)
	20 to 30	E- Mail / Dialogue Writing
DECEMBER	1 to 15	Revision
	18 to 29	PRE BOARD 1
JANUARY	8 to 19	
	22 to 31	PRE BOARD 2
FEBRUARY	1 to 9	PRE BOARD 2
	12 to 29	

SUBJECT - AI			
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)	SYLLABUS TO BE COVERED (PRACTICAL/PROJECT)
MARCH	13 to 31	Part B: Unit 1: Introduction to Artificial Intelligence (AI)	
		Session: What is Intelligence?	
		What are types of intelligence?	
		Session: Decision Making.	
		How do you make decisions?	
		Make your choices!	
		Session: Applications of AI – A look at Real-life AI implementations	
		Part A: Unit 2- Self management skills:	
		What is Stress, Stress causing agents	
		Stress management and its techniques- Time management, Physical,	
		yoga, healthy diet, good sleep	

APRIL	3 to 14	How to work independently	-
		Self awareness	
		Self motivation (intrinsic and extrinsic)	
		Self regulation	
		Self management: Time management and steps	
		Part B: Unit 2- AI Project Cycle:	
	17 to 28	Stages of AI project cycle	-
		Rule based vs Learning based approach	
		Supervised vs unsupervised learning	
		Evaluation	
		Neural networks:	
		Why do we use Neural networks?	
MAY	1 to 12	Working of Neural networks	-
		Preparing problem canvas/ template	
		Part A: Unit 3- ICT Skills:	
		OS and its types	
		Computer care and cleaning components	
		Preparing computer against viruses	
		Scanning and cleaning virus	
	15 to 26	What are temporary files?	Do the following: a. Write a python program to find simple interest. b. Write a python program to print the following series using range() function. • 3 5 719 • 2 4 6 820 • -2 -3 -4 -5.....-10 c. Write a program to swap two variable values. Calculate the sum of first n natural numbers using while loop, n is to be read by the user
		Online predators	
		firewall and cookies	
		Revision for PT1 syllabus	
		Part B: Unit 3- Advance Python	
		working with Anaconda environment	
		Introduction to Python- applications, basics, statements, comments	

JULY	3 to 14	Datatypes in Python (numbers, sequence, boolean, sets)	Write a program to multiply of all the items in a list.
		Operators (Arithmetic, comparison, logical)	
		Type conversion	Create a list to insert 5 students names by the user using an append function and for loop.
		print(), input()	
			Create a list of any 5 fruits name and then add a new fruit at a particular index using an insert function by the user. But if the new name already exists in the list, then an error message should be displayed.
		Conditional statements (if, if..else)	
		Looping constructs (for and while loop)	Write a program to calculate the average marks of a students after reading marks in five subjects in the list using the input() statement
	17 to 31	Part B: Unit 4- Data Science	To be assessed in Practical only
		Introduction to DS, Applications of DS	WAP to create a scatter chart using the data given:
		Data collection and types of data	Marks1=[30,40,50,60,70,80] – x axis
		Brief about NumPy, openCV, NLTK	Marks2=[35,45,55,45,65,75] - y axis
		Data access in Python:	WAP to create a bar chart using the data given:
		NumPy, Pandas	Marks=[23,45,34,41,13,49] – y axis
		Data visualisation using charts	Subjects=['eng','hindi','maths','Science','AI','IT'] – x axis
		KNN and OCEAN model	
			WAP to create a pie chart using the data given:
			Marks=[23,45,34,41,13,49]
			Labels==['eng','hindi','maths','Science','AI','IT']

AUGUST	1 to 11	Revision for PT2 syllabus	-
		Part A: Unit 4- Entrepreneurial Skills:	
		Entrepreneurship and society	
		Qualities of an Entrepreneur	
	14 to 31	functions of Entrepreneur	To be assessed in Practical only
		Role of an entrepreneur	Display a 2 D image using the imread() function of CV2 in the RGB format. Also display the Blue, Green, Red colour code between 0 to 255 of pixel 100th row and 150th column of an image taken with imread().
		Myths about Entrepreneurship	
			Import and display a 2D image of a dog in HD quality with some background. Now crop its mouth and display it in RGB format.
		Part B: Unit 5- Computer Vision:	
		Introduction to CV	Import a 2D image of two lions(one picture having two lions). Now shade the face of one lion with red colour and the other with blue colour and display the image in RGB format.
		Applications of CV	
		Classification and localisation of objects	
		What are Pixels	
		Importing openCV	
		Copying, shading, cropping of an image	
SEPTEMBER	1 to 15	MID TERM PRACTICAL EXAMINATION	-
		Mid Term Syllabus revision	
	18 to 29	MID TERM EXAMINATION	-
OCTOBER	1 to 13	Part B: Unit - 6 Natural Language Processing:	-
		Introduction to NLP	
		NLP Process	
		Text summarization and classification	
		Chatbots and its types	
	16 to 31	Steps of text normalization (segmentation, tokenization, stopwords removal, stemming, lemmatization)	-
		Bag of words	
		Document vector and TFIDF	
		Natural Language Toolkit (NLTK)	
		Revision for PT3 syllabus	
NOVEMBER	1 to 17	Part B: Unit 7- Evaluation:	-
		Introduction to Evaluation	
		Reasons for Inefficiency of AI model	
		Confusion matrix	
		Understanding of reality and prediction	
	20 to 30	Evaluation matrix for AI model:	-
		Accuracy	
		Precision	
		Recall/ sensitivity	
		F1 score	
		Revision for Preboard Syllabus	

DECEMBER	1 to 15	Part A: Unit 1- Communication skills: Project work	Prepare an animation video skit to demonstrate use of types of communications
		Part A: Unit 5- Green skills: Project work	Create and edit a video presentation on Sway/ Powerpoint for an awareness drive for any one of the 17 SDG goals
	18 to 29	PRE BOARD 1	
JANUARY	8 to 19	Board Practical examination	
	22 to 31	PRE BOARD 2	
FEBRUARY	1 to 9	PRE BOARD 2	
	12 to 29		

SUBJECT - IT			
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)	SYLLABUS TO BE COVERED (PRACTICAL/PROJECT)
MARCH	13 to 31	Part B- Unit 1 : Digital Documentation (Advanced): Styles, Images and Templates	Open office Writer Practical File questions
APRIL	3 to 14	Part B- Unit 1 : Digital Documentation (Advanced): TOC	Open office Writer Practical File questions
	17 to 28	Part B- Unit 1 : Digital Documentation (Advanced): Mail Merge	
		Part A- Unit 2: Self management -II	
MAY	1 to 12	Part B- Unit 3: Database Management System (Chapter 4)	Open office Base-related Practical File questions
	15 to 26		
JULY	3 to 14	Part B- Unit 3: Database Management System (Chapter 5)	Open office Base-related Practical File questions
	17 to 31	Part A- Unit 3: Information Technology and Communication	awareness drive for any one of the 17 SDG goals
AUGUST	1 to 11	Part B- Unit 4: Web Applications and Security	Prepare a canva video to demonstrate 7 C's of communications
	14 to 31		
SEPTEMBER	1 to 15	IT MID TERM PRACTICAL EXAM + REVISION	
	18 to 29	MID TERM	
OCTOBER	1 to 13	Part A- Unit 4: Entrepreneurial Skills - II	Open office Calc Practical File questions
	16 to 31	Part B- Unit 2: Electronic Spreadsheet (Advanced)	
		Consolidating data, Creating Subtotals	
NOVEMBER	1 to 17	Part B- Unit 2: Electronic Spreadsheet (Advanced)	Open office Calc Practical File questions
		Scenario, Goal Seek, Solver	
	20 to 30	Part B- Unit 2: Electronic Spreadsheet (Advanced)	
		Linking data, Cell reference, Sharing a spreadsheet	
DECEMBER	1 to 15	Part B- Unit 2: Electronic Spreadsheet (Advanced)	Open office Calc Practical File questions
		Reording changes, Comments, Macros	
	18 to 29	PRE BOARD 1	
JANUARY	8 to 19	IT CBSE BOARD PRACTICAL EXAM + REVISION	
	22 to 31	PRE BOARD 2	
FEBRUARY	1 to 9	PRE BOARD 2	
	12 to 29		

SUBJECT -COMPUTER APPLICATION			
MONTH	DATE	SYLLABUS TO BE COVERED (THEORY)	SYLLABUS TO BE COVERED (PRACTICAL/PROJECT)
MARCH	13 to 31	Unit 1: Chapter-1 Internet Basics- WWW, Web servers, web clients, websites, web pages, news groups,	Basic tags of HTML
APRIL	3 to 14	Unit 1: Chapter-1 HTML, email address , downloading files from a remote site,	Project part 1: Create a document for types of proctocol
	17 to 28	Unit 1: Chapter-2 Internet Protocols- TCP/IP, SMTP, POP3, HTTPS, SSH, SFTP, TELNET	
MAY	1 to 12	Unit 1: Ch-2 Internet Services: Chat and its types, video conferencing, e-learning, E-shopping, e-reservation	
	15 to 26	Unit 1 Ch-2 : e-governance and e-groups Social networking, Mobile technology Revision for PT1 exam(24.05.2023)	Introduction to HTML (basic tags)
JULY	3 to 14	15 to 26	Introduction to HTML (basic tags)
	17 to 31	Unit 2 Chapter3 : Various HTML Tags: Heading, <p>, <!-->, <I>, <U>, <sub>, <sup>, Lists in HTML	Create 2 static HTML web pages
AUGUST	1 to 11	Revision for PT2 (exam on 9.08.2023)	
	14 to 31	Unit 2: Chapter 4 HTML Table tags: tr, td, th, rowspan, colspan	Create 3 HTML web pages using graphic element- images.
SEPTEMBER	1 to 15	Unit 2: Chapter 5 Forms and Frames Revision for Mid term exams	Create HTML form to accept registration data from a user. Use textbox,
	18 to 29	MID TERM	
OCTOBER	1 to 13	Unit 2:Chapter-6 CSS, Basic selectors of CSS, Font and text properties, margins , padding	Creating 2 HTML pages with data in a tabular format
	16 to 31	Unit 2: Chapter-6 Cascading style sheet: colour, background-colour, border-style ,align, float, outline, height, width Revision for PT3(exam on 26.10.2023)	Link the above webpages to create a website
NOVEMBER	1 to 17	Unit 2:Chapter-6 (Practical portion)	Use stylesheets to enforce a format in an HTML page (CSS)
	20 to 30	Unit 3: cyber ethics: Netiquettes, software licenses and OSS movement IPR, plagiarism and digital property rights	Create a webpage discussing plagiarism.
DECEMBER	1 to 15	Unit 3: Freedom of information and e-commerce	Create a static webpage containing information about viruses, malware, spam and antiviruses
	18 to 29	PRE BOARD 1	
JANUARY	8 to 19	Revision of full syllabus	Board Annual practical
	22 to 31	PRE BOARD 2	Exam to be conducted
FEBRUARY	1 to 9	PRE BOARD 2	