

WEEKLY PLAN-2026-27

GRADE: 12

TERM 1

WEEK – 12 22nd June to 26th June

Subject	Topic	Learning Objectives (Students will be able to...)	Teaching & Learning Activities	Assessment (Type- Skill & Evidence)	Differentiation (Support-Core-Challenge)	AFL Strategy	National Identity Link	LMS Upload	Home Work
English	Formal and informal Invitation	1. Distinguish between formal and informal invitations. 2. Identify the format, language, and tone used in each type. 3. Draft effective invitations and replies using appropriate	Starter: Display two invitation samples and ask students to identify differences. Teacher Input: Explain the format, purpose, features, and examples of formal and	Diagnostic: Oral questioning during discussion. Formative: Peer assessment using a checklist for format, language, and completeness. Summative: Individual writing task assessed with	Support: Provide writing templates, sentence starters, and word banks. Core: Students write invitations independently using the taught format. Challenge: Students	Think–Pair–Share • Peer feedback checklist • Exit ticket • Teacher observation and targeted questioning • Self-assessment against	Students design a formal invitation for a UAE National Day celebration or a cultural event, promoting respect for local traditions, hospitality, and	Upload lesson slides, sample invitations, writing templates, rubric, and practice worksheets to the LMS. Include a short quiz for reinforcement.	Write a formal invitation for your school's Reading Week inauguration and an informal invitation to invite a friend to participate. Prepare an appropriate reply to one

		conventions . 4. Apply grammatical accuracy and suitable vocabulary in invitation writing.	informal invitations and replies. Guided Practice: Students compare invitation cards and complete a Venn diagram. Collaborative Activity: In pairs, draft an invitation for a school event and exchange with another pair for peer review. Independent Task: Write one formal invitation	a rubric focusing on organization, accuracy, tone, and presentation.	compose both an invitation and an appropriate acceptance/decline reply using sophisticated vocabulary and varied sentence structures.	success criteria	community participation.		of the invitations.
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			(e.g., school annual day) and one informal invitation (e.g., birthday celebration) . Plenary: Exit ticket—list three differences between formal and informal invitations.						
Physics	Alternating Current	1. Explain the concept of RMS value of alternating current and interpret its physical significance in AC circuits.. 2. Analyze	Starter: Recall DC and AC concepts through questioning . Teacher explanation of RMS value with derivation	Diagnostic: Prior knowledge questions on AC and DC. Formative: Class discussion, worksheet calculations, interpretation of phase	Support: Formula sheet, guided notes, and worked examples. Core: Solve standard RMS and reactance problems.	Think-Pair-Share, mini whiteboard responses , targeted questioning, exit ticket summarizi	Understanding AC power transmission used in the UAE's modern electrical infrastructure and sustainable	Lesson PPT, class notes, simulation/video on AC circuits, worksheets, and solved examples.	Solve textbook numericals on RMS value and AC circuits with resistor, inductor, and capacitor. Prepare a

		the behavior of AC when applied to a resistor, inductor, and capacitor and compare their voltage-current relationships.	and numerical examples. Interactive discussion on AC circuits containing resistor, inductor, and capacitor using waveforms and phasor diagrams. Students complete guided calculations and compare current-voltage phase relationships in R, L,	diagrams. Evidence: Correct derivation of RMS value solved numericals, and comparison table of R, L, and C circuits.	Challenge: Higher-order problems involving comparison of impedance and phase relationships in different AC components .	ng behavior of R, L, and C circuits.	energy systems.		comparison chart showing voltage-current phase relationships and reactance in R, L, and C circuits.
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			and C circuits.						
Computer Science	Text File Manipulation in Python (Creating, Reading, Writing and Appending Files)	1. Explain the purpose and importance of text files in programming. 2. Create, open, read, write, and append data to text files using Python. 3. Apply appropriate file modes while handling text files. 4. Use file handling statements to manage data effectively.	• Introduction to file handling and its real-world applications. • Teacher demonstration of creating and opening text files using Python. • Guided practice on reading data using read(), readline(), and readlines() methods. • Hands-on activity on	Diagnostic Assessment: Prior knowledge questions on data storage methods. Formative Assessment: Coding exercises, file handling tasks, and classroom discussions. Skill: Programming, logical thinking, debugging, data management. Evidence: Python programs, practical worksheets, LMS quiz	Support: Sample code templates, guided worksheets, and step-by-step demonstrations. Core: Standard file handling programs involving reading, writing, and appending data. Challenge: Programs involving searching, counting, and filtering data from text files.	• Questioning and discussion. • Think-Pair-Share. • Live coding checks. • Peer Review of programs. • Exit Ticket.	Discuss how digital data storage and management support innovation, e-governance, and smart services aligned with the UAE's digital transformation initiatives.	• Lesson presentation slides. • Sample Python programs. • Practical worksheet on file handling. • Coding exercises and solutions. • LMS quiz and reference notes.	1. Write a Python program to create a text file and store personal details. 2. Write a program to read and display the contents of a text file. 3. Append new information to an existing file and display the updated content. 4. Complete the LMS quiz on text file manipulation in Python.

		5. Develop simple Python programs to perform text file operations and process stored data.	writing and appending data to files using different file modes. • Pair programming activity to create a simple student record file. • Class discussion on common file handling errors and best practices. • Practice exercises involving file creation, modification, and retrieval of data.	results, and classroom participation.					
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Biology	Common Diseases, Immunity, Cancer, and AIDS	Explain the causes, symptoms, prevention, and control of common diseases. 3. Describe the human immune system and distinguish between innate and acquired immunity.	Multimedia presentation on HIV/AIDS transmission, prevention, and social awareness. • Class discussion on healthy lifestyles and disease prevention strategies.	Knowledge recall, interpretation, analysis, application, and communication.	Explain disease types, immunity, cancer, and AIDS using scientific terminology. Challenge: Analyze public health data, evaluate disease prevention strategies, and discuss advances in immunotherapy and cancer treatment.	Think-Pair-Share.	Connect the lesson to UAE public health initiatives that promote vaccination, disease prevention, cancer awareness, and healthy lifestyles.	Lesson notes, immunity diagrams, vaccination infographic, cancer and HIV/AIDS fact sheets, worksheets, case study activities,	Research a current public health campaign in the UAE related to disease prevention, cancer awareness, or vaccination.
Chemistry	CHEMISTRY -Chemical Kinetics	Define chemical kinetics and reaction rates. • Identify factors	Starter: Observe a fast and slow reaction. • Teacher explanation	Type: Formative assessment. Skill: Analyzing reaction rates and factors	Support: Guided notes and worked examples. Core: Calculate	Think-Pair-Share, questioning, exit ticket	Explore the importance of catalysts and reaction rates in	Lesson slides, worksheet, simulation/video, quiz	Complete reaction rate calculations and answer questions on factors

		affecting reaction rates. Interpret simple rate graphs and data.	of collision theory and reaction rates. - Group activity analyzing factors affecting rate (temperature, concentration, surface area, catalyst). - Practice questions.	affecting them. Evidence: Worksheet completion, graph interpretation, class discussion responses.	and compare reaction rates. Challenge: Explain rate changes using collision theory and interpret complex graphs.		UAE petrochemical and industrial processes.		affecting chemical kinetics.
Mathematics	Inverse Trigonometric Functions – Principal Value Branches and Basic Properties	Apply standard properties and identities of inverse trigonometric functions to simplify mathematical expressions	Starter: Error analysis of previous homework. Teacher Input: Introduction to standard identities. Activity:	Skill: Analytical reasoning and simplification. Evidence: Classwork solutions and peer review.	Support: Identity reference sheet. Core: Direct application questions. Challenge: Multi-step CBSE competency questions.	Peer Assessment, Think-Pair-Share, Exit Ticket	Applications of trigonometry in UAE engineering projects, construction, navigation, and smart city planning.	PPT, Lesson Notes, Domain-Range Summary Sheet, Practice Worksheet	NCERT Exercise questions on principal values and evaluation of inverse trigonometric functions.

		and solve problems	"Identity Puzzle Challenge." Peer Collaboration: Simplification exercises.						
Psychology	Psychological Disorders	To understand the basic issues of abnormal behaviour. To classify different approach to abnormality. To explain and describe anxiety disorder. To identify the symptoms and types of anxiety disorders.	Interactive presentation, think-pair-share activity, analysis of case scenarios, class discussion on myths and facts about mental health. Case study analysis, video clips, symptom-identification activity,	Summative/Formative Assessment – Critical Thinking & Application; Evidence: MCQ scores, case-based responses, worksheet.	Support: Guided notes and key terms list. Core: Classify behaviors using criteria of abnormality. Challenge: Analyze complex real-life scenarios.	Entry ticket: "What is abnormal behavior?" Exit ticket with one criterion of abnormality. Traffic light self-assessment (red, yellow, green).	Promotes empathy, inclusion, and community well-being aligned with UAE values of tolerance and compassion.	Concept wise ppt, notes, ncert solution, learning mats, mind maps, worksheets.	Research and discuss the role of cognitive distortions, such as catastrophizing or overgeneralization, in fuelling anxiety symptoms.

			and peer discussion.						
Marketing	Communication Skills (Employability Skills)	Understand the importance of communication in personal and professional life. • Develop active listening skills and identify barriers to effective listening. • Apply strategies to improve active listening using the RESPECT model. • Identify and use	Brainstorming the importance of communication in daily life. • Role-play activities demonstrating effective and ineffective communication. • Group discussion on barriers to active listening. • RESPECT model activity and poster making. • Parts of Speech	Knowledge: MCQs and oral questioning Understanding: Worksheets on listening skills, grammar and sentence formation. Application: Role plays, paragraph writing, and communication scenarios. Skill: Listening, speaking, reading, and writing activities. Evidence: Worksheets, notebook work, presentations,	Support: Guided notes, grammar charts, sentence templates, and vocabulary support. Core: Independent completion of grammar and communication tasks. Challenge: Create presentations, dialogues, and business communication samples using advanced	• Think-Pair-Share. • Exit Tickets. • Peer Assessment Observation Checklist. Quizizz/Kahoot Quiz. Reflection Journal.	Promotes respectful communication, collaboration, empathy, cultural understanding and responsible citizenship aligned with UAE values of tolerance and community harmony.	PPT on Communication Skills, Grammar Notes, Listening Activities, Worksheets, Interactive Quiz, Video Lessons.	1. Prepare a poster on Active Listening using the RESPECT model. 2. Write a paragraph using different types of sentences. 3. Complete worksheets on Parts of Speech. 4. Convert Active Voice sentences into Passive Voice. 5. Complete NCERT Check Your

		parts of speech correctly. Apply capitalization and punctuation rules in written communication. Construct grammatically correct sentences. Differentiate between active and passive voice. Compose different types of sentences and paragraphs effectively.	identification exercises. Sentence construction activities. Active and Passive Voice practice. Paragraph writing and peer review activities.	peer feedback and class participation.	sentence structures.				Progress questions.
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Business Studies	Directing – Motivation	Define motivation and explain its significance in management. Understand the concept of motives and needs. Differentiate between financial and non-financial incentives. Explain Maslow's Need Hierarchy Theory and its application in organizations. Analyze the role of	Brainstorming activity: "What motivates people to work?" Teacher-led discussion on motivation and importance presentation on Maslow's Need Hierarchy Theory. Case study analysis on employee motivation. Group activity: Matching employee needs with suitable incentives.	Knowledge: MCQs on motivation concepts and theories. Understanding: Worksheet on Maslow's Need Hierarchy. Application: Case-study based questions on employee motivation. Skill: Group discussion, role-play, and problem-solving activities. Evidence: Worksheets, notebook work, presentations, oral responses and exit tickets.	Support: Guided notes, visual diagrams of Maslow's hierarchy, simplified examples. Core: Independent completion of worksheets and case studies. Challenge: Analyze real-life organizational practices and recommend suitable motivational strategies.	Think-Pair-Share. • Exit Tickets. • Peer Assessment Observation Checklist. Questioning Techniques Traffic Light Reflection	Promotes appreciation of employee well-being, productivity, teamwork and responsible workplace practices aligned with UAE values of excellence, innovation and human development.	PPT on Motivation, Maslow's Hierarchy Diagram, NCERT Notes, Case Studies, Worksheet,	1. Draw and explain Maslow's Need Hierarchy Theory. 2. Prepare a comparison chart of Financial and Non-Financial Incentives. 3. Solve NCERT questions related to Motivation. 4. Collect examples of motivational practices followed by successful companies
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		motivation in improving employee performance and organizational effectiveness. • Identify various incentive schemes used by organizations. • Apply motivational concepts to business situations and case studies. • Evaluate suitable motivational techniques for different	Think-Pair-Share on financial vs non-financial incentives. • Role-play demonstrating motivational practices in organizations. • Concept mapping of motivation theories and incentives.						
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		employee needs.							
Accountancy	Activity Ratios and Profitability Ratios	1. Calculate Activity Ratios and Profitability Ratios using financial data. 2. Interpret ratio results to evaluate business performance.	Starter: Present two businesses and ask which appears more efficient. Teacher Explanation : Explain Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio, Working Capital Turnover Ratio, Gross Profit Ratio and Net Profit Ratio.	Type: Formative Assessment Skill: Calculation and Analysis Evidence: Ratio calculations, interpretation worksheet and group discussion responses	Support: Formula sheet with guided calculations Core: Calculate ratios independently and interpret results. Challenge: Compare ratios of two companies and provide recommendations for improvement.	Hinge Questions , Think-Pair-Share, Exit Ticket Analysis.	Discuss how financial analysis supports sustainable business growth and entrepreneurship in the UAE economy	Ratio formula sheet, worked examples, practice worksheet, self-assessment quiz.	Calculate Activity Ratios and Profitability Ratios from a given financial statement and write two conclusions about business performance.

			Guided Practice: Calculate ratios using given data. Group Activity: Analyze and compare ratio results of two companies.						
Economics	Full Employment Equilibrium, Underemployment Equilibrium, Deficient Demand, Measurement and Its Economic Consequences	Distinguish between full employment equilibrium and underemployment equilibrium. Explain the concept of deficient demand in an economy. Analyze how	Teacher explanation of equilibrium income using the AD-AS framework. Diagrammatic representation of full employment and underemployment equilibrium	Diagram-based questions on equilibrium levels (analysis skill). Short answers on deficient demand and its causes (understanding). Numerical questions on measurement of output gap (application).	Support: Labelled AD-AS diagrams and guided notes. Step-by-step explanation of equilibrium concepts. Core: Standard textbook questions and diagram drawings. Challenge:	Questioning during diagram explanation. Peer assessment of AD-AS diagrams. Think-Pair-Share on causes of unemployment. Exit tickets	Connect economic stability to UAE Vision 2031 goals. Discuss how government spending and diversification help avoid deficient demand. Highlight UAE's policies for	PPT on Equilibrium Income (AD-AS). Diagram worksheet (full employment vs underemployment). Case study handout. Revision notes and quiz.	Draw and explain full employment and underemployment equilibrium diagrams. Define deficient demand with an example. Solve textbook questions on output gap and

		equilibrium output can exist below full employment level. Measure deficient demand using simple output gap analysis. Evaluate the economic consequences of deficient demand, such as unemployment and recession.	Numerical illustration of deficient demand and output gap. Case discussion on unemployment and slow growth in real economies. Group activity: identifying causes of demand deficiency in real-life situations. Worksheet practice with diagram interpretation.	Case-based question on economic consequences (evaluation). Exit ticket: Defining deficient demand.	Critical analysis of policy measures to reduce deficient demand. Case study on real economies facing recessionary gaps.	and quick MCQs.	employment generation and sustainable growth.		equilibrium income. Write a short note on consequences of deficient demand in an economy.
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Arabic	قصة نجاح	أن يفسر الطالب معاني المفردات الجديدة في سياقها.	توضيح المفردات ومناقشة معانيها.	مطابقة الكلمات بمعانيها.	Support: اختيار المعنى الصحيح. Core: شرح المعنى. Challenge: توظيف الكلمة في جملة مفيدة.	التفكير - المزاوجة - المشاركة.	تعزيز اللغة العربية واستخدامها الصحيح.	رفع الفقرة وة الدرائشطس	استخدام ثلاث كلمات جديدة في جمل مفيدة.
Islamic Studies	Responsibility in Islam	1. Identify Islam's view of responsibility and the role of human beings. 2. Explain the fields of individual responsibility toward Allah, oneself, family, and society. 3. Explain the relationship between individual	Starter: Students discuss examples of responsibilities they have at home, school, and in society.	Diagnostic: Brainstorming and questioning. Formative: Group discussion, case study analysis, and class participation.	Support: Provide guided notes, vocabulary support, and structured worksheets.	Think-Pair-Share • Exit Ticket	Promotes responsible citizenship, accountability, community service, and social cohesion,	PowerPoint presentation , lesson notes, worksheet,	Write a paragraph explaining the importance of responsibility in Islam

		and collective responsibility.							
Moral Science	Goal Setting	Define goal setting and explain its importance in personal and academic success. Differentiate between short-term, long-term, and SMART goals.	Brainstorming activity, SMART goal workshop, self-reflection exercise, case study analysis, peer discussion, goal-planning template completion	Formative Assessment: Create a personal SMART Goal Plan. Skill: Self-management, Analysis & Planning. Evidence: Goal setting worksheet.	Support: Guided SMART goal template with prompts and examples. Core: Develop and explain one personal SMART goal with action Steps. Challenge: Design a long-term personal growth plan and evaluate potential	Think-Pair-Share, Self-Assessment Checklist, Exit Ticket.	Explore how visionary goal setting contributed to the success of UAE leaders and national initiatives such as UAE Vision and sustainable development goals.	PPT	Complete a one-week goal-tracking journal and reflect on progress toward the chosen Goals.

					obstacles and solutions				
MSCS	Impact of corruption	Explain the social, economic, and ethical impacts of corruption on individuals and society. Analyze real-life examples of corruption and their consequences.	Teacher explanation video presentation, class discussion, case study analysis, Think-Pair-Share.	Oral questioning, activity completion, case study responses, exit ticket.	Support: Vocabulary list, guided questions, graphic organizer. Core: Analyze case studies and explain impacts. Challenge: Evaluate Anti-corruption measures and design an awareness Campaign promoting integrity.	Questioning, ThinkPair-Share, peer discussion, exit ticket.	Connect to UAE values of integrity, transparency, responsibility, and good governance. Discuss how ethical leadership supports national development and public trust in institutions	PPT	Write a 150–200 word reflection on: "How does corruption affect society, and why is integrity important for a nation's development?" OR create a poster promoting honesty and ethical behavior promoting Integrity. in the community