

WEEKLY PLAN-2026-27

GRADE: 12

TERM 1

WEEK – 16

7th September to 11th September

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	Homework
English	Job Application with Biodata/Resume	Identify the purpose, audience and key requirements of a job advertisement. • Apply the correct CBSE format for a job application	Period 1 – Understand and Analyse: Display a UAE-based job advertisement. Students use the 5W1H strategy to identify the post, organisation, eligibility, experience, application procedure and	Diagnostic: Analysis of prior knowledge through format-recall questions. Formative: Advertisement analysis, pair discussion, content organiser and error-correction task. Summative/Product: Timed job application with biodata.	Support: Colour-coded writing format, vocabulary bank, sentence starters, guided biodata template and partially completed model. Core: Independent	Traffic-Light Check: Students indicate their confidence in format, content and language. Think-Pair-Share: Identify the most relevant qualifications for the	UAE-based job advertisement and discuss workplace values such as responsibility, integrity, tolerance, innovation and respect for cultural diversity.	CBSE job-application format guide • Model job application with biodata • UAE-based sample job advertisements • Formal-language and action-verb bank	Find or use a teacher-provided job advertisement and write a complete job application with biodata. Highlight five words or phrases

		n with biodata/resume. • Select relevant qualifications, skills and experience for a given post. • Use formal, concise and persuasive language. • draft, review and improve a complete job application within the prescribed word limit.	deadline. Teacher introduces the format and features of the covering letter and biodata. Students annotate a model response and identify its strengths and errors. Period 2 – Plan and Construct: In pairs, students match qualifications and skills with different job profiles. Teacher models an application using a think-aloud approach. Students	Skills assessed: Reading for detail, content selection, formal writing, organisation, vocabulary and grammatical accuracy. Evidence: Annotated advertisement, completed organiser, peer-review checklist and final written application.	tly prepare and write an application using a checklist. Challenge: Tailor the application to a complex advertisement, prioritise relevant skills, improve persuasiveness and justify why particular details should be included or omitted.	advertised post.			used to demonstrate suitability for the position. Revise the response using the assessment checklist before uploading it to the LMS.
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			prepare a content organiser covering the sender's details, subject, opening, suitability, request for consideration, enclosure and biodata sections. Period 3 – Apply, Review and Improve: Students independently write a complete job application in response to an unseen advertisement . They exchange drafts and conduct peer review using a						
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			CBSE-aligned checklist. Students edit and submit their final response.						
Physics	Ray Optics – Lens Maker’s Formula and Numerical Applications	- Explain the factors affecting the focal length of a lens. - Understand and derive the Lens Maker’s Formula. - Relate the refractive index and radii of curvature to the focal length of a lens. - Apply the Lens Maker’s Formula to	Starter: Recall refraction through spherical surfaces and factors affecting lens power. - Discuss how refractive index and curvature affect focal length. - Teacher-guided derivation of the Lens Maker’s Formula. - Students complete key missing steps in the derivation. - Solve a worked example involving refractive index, radii of	Formative: Oral questioning to check conceptual understanding. Numerical assessment: Application of Lens Maker’s Formula and sign convention. Evidence: Completed derivation, correct substitution, units and numerical answers.	Support: Provide formula sheet, sign-convention guide and partially worked numerical examples. Core: Standard problems involving focal length, refractive index and radii of curvature.	- Think–Pair–Share. - Hinge questions on the effect of changing refractive index/curvature. - Mini-whiteboard responses for numerical answers. - Peer checking using a solution checklist. - Exit ticket.	Link the use of lenses to optical technology, medical instruments and scientific innovation in the UAE , highlighting the role of physics in healthcare, research and technological development.	PPT/lesson presentation - Lens Maker’s Formula derivation. - Worked numerical examples. - Practice worksheet. - Exit-ticket questions.	- Revise Lens Maker’s Formula and sign convention. - Complete numerical problems involving focal length, refractive index and radii of curvature. - Solve application-based questions requiring rearrangement of

		solve numerical problems. • Use the appropriate sign convention and interpret the result.	curvature and focal length.						the formula.
Computer Science	Binary File Manipulation – Pickle Module	• Explain binary file handling and object serialization. • Use the pickle module to store Python objects. • Read, search and update records in a binary file.	Discuss how student records can be stored digitally. • Demonstrate <code>pickle.dump()</code> and <code>pickle.load()</code>. • Students store student records as objects in a binary file. • Write programs to display and search records. • UAE Context: Create a	Questions on text vs. binary files. Store and retrieve objects using Pickle. Search for a specific student record.	Support: Guided code for <code>dump()</code> and <code>load()</code>. Core: Create, store, read and search records. Challenge: Develop a menu-driven binary file program with add, search, update and	• Code tracing. • Think–Pair–Share. • Peer debugging.	Relate binary file handling to digital student records, UAE smart schools and secure data management.	• Lesson notes • Sample Python programs • Binary file worksheet	Write a Python program to input student details, store them as objects in a binary file using Pickle, and display/search the stored records.

		• Write programs to handle binary file data.	student record system for a UAE school.		delete operations.				
Biology	MOLECULAR BASIS OF INHERITANCE	Describe the structure and packaging of DNA. • Explain the experiments that established DNA as the genetic material. • Describe DNA replication and explain the role of key enzymes. • Explain transcripti	Students analyse simplified evidence from the Griffith, Avery, Hershey–Chase and Meselson–Stahl experiments and identify how each contributed to our understanding of DNA inheritance.	Students investigate applications of DNA fingerprinting, genome sequencing and gene regulation.	Explain DNA replication, transcription and translation and solve standard sequence-based questions.	Think–Pair–Share	Connect molecular genetics with UAE advances in genomics, precision medicine, biotechnology and scientific research .	PowerPoint/lesson notes	Prepare a flowchart showing DNA → transcription → mRNA → translation → protein .

		on and RNA processing.							
Chemistry	Coordination Compounds (Introduction, Terminology, and IUPAC Nomenclature)	Differentiate between double salts and coordination compounds.	Guided IUPAC nomenclature workshop using a structured breakdown chart (identifying cation/anion, alphabetical order of ligands, metal suffix, and Roman numeral oxidation states).	Formative	Tackle bridging ligands or write chemical formulas from complex IUPAC names, including identifying potential isomers.	Mini-whiteboard checks during IUPAC naming practice and targeted peer-correction checks.	Connect the application of coordination compounds to national technological and environmental advancements in the UAE , such as transition metal complexes used in catalysis for petrochemical processing	Coordination compounds slide deck, IUPAC naming rules summary sheet, and practice problem set.	Complete assigned workbook exercises on naming coordination entities and calculating oxidation numbers for central metal atoms.

							or heavy metal ion extraction/ water purification technologies in local industrial sectors		
Mathematics	Methods of Integration	Apply standard integrals of trigonometric, exponential, and logarithmic functions. Recognise forms requiring algebraic simplification before integration.	Quick recap: power rule relay. Explicit teaching: $\int \sin x$, $\int \cos x$, $\int \sec^2 x$, $\int e^x$, $\int 1/x$. Station rotation: standard-form cards and error-analysis cards.	Short written check: 8 mixed standard forms. Skill: select and apply the correct formula. Evidence: station record sheet and marked quiz.	Support: color-coded formula bank; teacher-guided station. Challenge: mixed expressions with identities and fractional powers.	Traffic-light confidence checks before independent practice. Peer marking using worked-answer success criteria.	Use examples from growth, motion, and change to link mathematics with national development goals.	Upload standard-integrals reference card. Post 10-question LMS practice quiz.	NCERT Ex 7.2: Select Q1-12. Create one original substitution question with a solution.

Psychology	Bipolar Disorder	To Analyse major features of bipolar disorder. To develop skills in identifying the symptoms of Schizophrenia and understanding appropriate care and support for affected individuals .	Teacher explains bipolar disorder, manic episode, depressive episode and major behavioural features using the NCERT content.	Formative Assessment: Questioning, observation, pair discussion and case-vignette analysis. Skills: Analysis, identification, communication, empathy and application. Evidence: Completed comparison chart, symptom-sorting activity, case-study responses and student participation. Exit Ticket: "Write two major features of bipolar disorder and two symptoms	Support: Provide vocabulary banks, symptom cards, simplified case vignettes and partially completed graphic organisers. Core: Students independently analyse case studies and classify symptoms/features using NCERT terminology . Challenge: Students compare bipolar	Think–Pair–Share + Exit Ticket	Promote care, empathy, respect and social responsibility by discussing the importance of supporting individuals experiencing psychological difficulties without stigma or discrimination. Connect the discussion to the UAE's emphasis on communit	Concept wise ppt, notes, ncert solution, learning mats, mind maps, worksheet	Research one famous case, awareness campaign , or treatment approach related to Schizophrenia and write a one-page reflection on how society can support individuals with the disorder.
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				associated with schizophrenia.”	disorder and schizophrenia using a Venn diagram and justify how appropriate support can reduce stigma and improve wellbeing.		y wellbeing, inclusion and respect for individual dignity.		
Marketing	Employability Skills – Self-Management Skills: Result Orientation & SMART Goals	- Explain result orientation and its importance in personal and professional life. - Identify the characteristics of result-oriented behaviour	Result Orientation: Scenario discussion on successful people and outcome-focused behaviour. Goal Setting: Students identify personal, academic and career goals. SMART Goals: Convert vague	Diagnostic: Poll and questioning on goal setting. Formative: Goal-setting worksheet, SMART goal conversion and peer feedback. Application: Personal SMART Action Plan. Evidence: Completed worksheet,	Support: SMART template, examples, word bank and teacher prompts. Core: Independently develop and refine SMART goals. Challenge: Evaluate and justify career-	Traffic Light: Confidence check. Think–Pair–Share: Discuss effective goals. Peer Feedback: Review SMART goals. Exit Ticket: One action	Connect goal orientation , perseverance, self-discipline and employability with the UAE's emphasis on developing responsible, ambitious	Upload Result Orientation Activity, SMART Goal Worksheet and Personal Action Plan.	Set three SMART goals – one academic , one personal and one career-related. Explain how each will contribute to the desired result.

		• Explain the five components of SMART goals. • Develop realistic, measurable and time-bound academic, personal and career goals.	goals into SMART goals through guided examples. Application: Develop a career-linked SMART goal and personal action plan.	SMART goal and reflection.	linked SMART goals and develop a detailed action plan.	to improve results.	and future-ready young people.		
Accountancy	Retirement of a Partner – Treatment of Goodwill, Revaluation of Assets & Liabilities, Adjustment of	Explain the accounting treatment required when a partner retires from the partnership firm.	Starter: Present a simple partnership scenario: “ <i>A, B and C share profits in the ratio 3:2:1. C retires. What changes will happen in the partnership?</i> ”	Formative Assessment: Oral questioning, ratio calculation activity, observation of collaborative work and error-correction task. Skills: Calculation,	Support: Provide a step-by-step flowchart, formula sheet and partially completed journal entries; use simpler	Mini Whiteboard/Quick Response: Students show their answers for new ratio and gaining ratio calculations. Teacher	Relate partnership changes to UAE family-owned businesses and SMEs , highlighting the importance of	Upload presentation/notes, retirement flowchart, differentiated practice worksheet, worked example, assessment task and	Solve a comprehensive problem on retirement of a partner involving new ratio, gaining

	Capitals and Settlement of Retiring Partner	- Calculate the new profit-sharing ratio and gaining ratio of the remaining partners. - Record necessary adjustments relating to goodwill, revaluation of assets and liabilities, reserves and accumulated profits/losses. - Prepare the necessary	Students predict the accounting changes. Teach: Teacher demonstrates the sequence of accounting treatment: New Ratio → Gaining Ratio → Goodwill → Revaluation → Reserves/Accumulated Profits → Capital Adjustment → Amount Due. Collaborative Activity: Students work in pairs to calculate the new ratio and gaining ratio from different retirement scenarios.	application, accounting treatment, problem-solving and analysis. Evidence: Completed journal entries, working notes, solved retirement problem, peer corrections and exit-ticket responses.	ratio calculations. Core: Students solve a complete retirement problem involving goodwill, revaluation, reserves and capital adjustment. Challenge: Students solve a complex case involving multiple adjustments and analyse/correct an incorrect solution, explaining the reason	immediately identifies misconceptions and provides corrective feedback. Exit Ticket: <i>“Why is the gaining ratio calculated at the time of retirement?”</i>	transparent financial records, fair settlement of partners and responsible financial decision-making during changes in business ownership.	feedback resources to the LMS.	ratio, goodwill, revaluation, reserves and settlement of the retiring partner’s amount. Students should show all workings clearly.
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		journal entries and calculate the amount due to the retiring partner. Apply: Groups solve different parts of a retirement problem and then combine their answers to complete the full question. Error Analysis: Students identify and correct common errors in journal entries and goodwill treatment. Plenary: Students complete a short exit ticket containing one calculation and one conceptual question.		for each correction.					
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Business Studies	Financial Management – Capital Structure, Fixed Capital & Working Capital	• Explain the meaning of capital structure. • Identify and explain factors affecting capital structure. • Explain the meaning and importance of fixed capital. • Analyse factors affecting fixed-capital requirements. • Explain working capital and	Capital Structure: Meaning, debt-equity mix and importance. Factors: Analyse factors affecting capital structure through case studies. Fixed Capital: Identify fixed assets and discuss capital requirements. Factors affecting Fixed Capital: Nature, scale, technology, growth and diversification. Working Capital: Meaning, importance and factors affecting	Diagnostic: Prior-knowledge questioning and quick poll. Formative: Concept maps, classification activities and case-based questions. Application: Business case analysis involving capital structure, fixed capital and working capital. Evidence: Case-study responses, peer feedback and exit ticket.	Support: Guided notes, visual organisers, key-term cards, worked examples and sentence starters. Core: Independent case-study analysis and application. Challenge: Evaluate alternative capital structures and analyse how different factors influence fixed and working-capital	Think–Pair–Share: Analyse financial decisions. HOTS Questioning : Why/How questions. Traffic Light: Understanding check. Exit Ticket: Identify and justify an appropriate financial decision.	Connect financial responsibility, entrepreneurship and sustainable business growth with the UAE's economic development, innovation and entrepreneurship priorities.	Upload Capital Structure Activity, Fixed Capital Case Study and Working Capital Analysis.	Select a real business and explain (1) its likely capital structure, (2) factors affecting its fixed-capital requirement, and (3) factors affecting its working-capital requirement.
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		analyse factors affecting working-capital requirements. • Apply the concepts to different business situations.	requirements. Students use case studies, collaborative digital activities, breakout discussions, classification tasks and business scenarios.		requirements.				
Economics	Foreign Exchange Market – Demand, Supply and Equilibrium Exchange Rate	Understand and explain the meaning of foreign exchange and the foreign exchange market. • Evaluate the demand for and supply of	Starter – Real-Life Hook: Students discuss: “ <i>Why does ₹1 not have the same value as \$1, AED 1 or €1?</i> ” and identify situations where foreign currency is required. Concept Building:	Type: Formative Assessment Skills: Conceptual understanding, graphical analysis, interpretation and economic reasoning. Evidence: Annotated diagrams, scenario-based responses,	Support: Key-term cards, simplified examples, guided demand/supply table and partially completed diagrams. Core: Independently analyse demand	Think–Pair–Share + Hinge Questions + Diagram Check + Exit Ticket. Students justify why a particular event changes demand or supply of foreign exchange	Students examine the importance of foreign exchange in the UAE's highly open and globally connected economy , particularly through	Lesson presentation, foreign exchange concept map, demand-and-supply diagrams, differentiated task sheet, numerical/graphical practice and exit-ticket activity.	Students will draw a fully labelled foreign exchange market diagram , identify the equilibrium exchange rate and write a short

		foreign exchange with the help of appropriate diagrams. • Analyse and determine the equilibrium exchange rate through the interaction of demand and supply of foreign exchange.	Teacher explains foreign exchange and introduces the sources of demand for and supply of foreign exchange through real-life examples such as imports, exports, tourism, investment and remittances. Diagram Investigation: Students analyse the demand and supply curves for foreign exchange and identify the factors responsible for	demand–supply schedule, identification of equilibrium exchange rate, questioning and exit-ticket response.	and supply of foreign exchange, draw correctly labelled diagrams and identify equilibrium exchange rate. Challenge: Analyse changes in demand or supply of foreign exchange and evaluate their impact on the equilibrium exchange rate, using diagrams and economic reasoning.	and predict its effect on the equilibrium exchange rate.	international trade, tourism, investment and expatriate remittances.		explanation of how an increase in demand or supply of foreign exchange would affect the equilibrium exchange rate.
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			their slopes and shifts. Collaborative Activity: Groups are given market scenarios and determine whether they increase demand or supply of foreign exchange, followed by graphical representation. Equilibrium Analysis: Students plot demand and supply schedules, identify their point of intersection and determine the equilibrium						
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			exchange rate and equilibrium quantity of foreign exchange. Plenary: Students answer: “How is the exchange rate determined by market forces?”						
Arabic		يحدد المعلومات الرئيسية الواردة في النص عن الهواتف . • يستخرج المفردات الجديدة ويفهم معانيها من السياق. • يحدد الأماكن التي يُمنع أو يُقيد فيها استخدام	مناقشة: طرح - 1 أسئلة حول الفقرات قسيم الطلاب - 2 إلى مجموعات؛ كل مجموعة تستخرج فكرة رئيسية وفقرة مهمة من النص تقسيم - 3 الطلاب إلى مجموعات؛ كل مجموعة تستخرج فكرة رئيسية وفقرة مهمة من النص						

		الهاتف المحمول. • يجيب عن أسئلة الفهم والاستيعاب بمستويات مختلفة.							
Islamic Studies	Sheikha Fatima bint Mubarak – "Mother of the Nation"	Explain the facts of her character. Deduce her personal characteristics. Mention the awards she has received.	Starter Activity (10 mins): Display the title "Mother of the Nation" (<i>Umm Al Emarat</i>). Ask students to brainstorm what leadership qualities this title implies and map their initial ideas on the board.	Formative Assessment	Core: Require students to explain how her initiatives directly influenced the social and educational standing of Emirati women today.	Think-Pair-Share: Used during Core Activity 1 to allow students to refine their deductions about her character traits with a peer before class discussion.	Highlights the visionary leadership within the UAE's founding history, directly tying Sheikha Fatima's legacy alongside the late Sheikh Zayed bin Sultan Al Nahyan to the nation's core identity of	Slide Presentation : <i>Sheikha Fatima bint Mubarak – Leadership, Virtues, and Global Impact</i>	Research one international award given to Sheikha Fatima bint Mubarak not covered in class. Write a paragraph detailing why she was chosen by that international

							generosity, women's empowerment, and humanitarian aid.		organization and what character trait it highlights.
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	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.

					plan and evaluate potential 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 promotin g Integrity. in the communi ty
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