

WEEKLY PLAN-2026-27

GRADE: 10

TERM 2

WEEK – 19 19th October to 23rd October

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	The Tale of Custard the Dragon – Ogden Nash	1. Identify the central theme, characters, and key events in the poem. 2. Analyse the use of irony, humour, similes, and onomatopoeia. 3. Evaluate the contrast between	Engage: Display pictures of courageous and boastful characters and invite students to distinguish between appearance and reality. Explore: Conduct a guided reading of the poem, focusing on rhythm, rhyme, and humorous expressions. Explain: Discuss	Diagnostic: Oral questions on courage and bravery. Formative: Identification of poetic devices and character traits. Analytical: Written response explaining the contrast between Custard and	Support: Provide a simplified summary, vocabulary clues, and a character-trait worksheet. Core: Explain the theme and analyse poetic devices with textual evidence.	Think–Pair–Share; targeted questioning ; mini-whiteboard responses; exit ticket: Why is Custard the bravest character despite being called a coward?	Connect the poem’s message of courage and responsibility to the UAE values of bravery, unity, compassion, and helping others during challenging situations. Discuss how responsible actions contribute	Upload the poem, annotated notes, poetic-device worksheet, and differentiated practice questions to the LMS.	1. Write a character sketch of Custard using textual evidence. 2. Explain how humour and irony contribute to the poem’s message. 3. Answer a higher-order question: “The poem suggests that genuine courage is

		appearance, boasting, and genuine courage. 4. Interpret the significance of Custard's actions in conveying the poem's message.	character traits, poetic devices, and the contrast between Custard and the other characters, using textual evidence. Plenary: Students explain how Custard challenges the assumptions made by the other characters.	the other characters. Evidence: Annotated poem, notebook responses, and oral contributions.	Challenge: Evaluate the poet's use of humour and irony to challenge conventional ideas of bravery; compose an alternative ending.		to the safety and well-being of the community.		revealed through actions rather than words." Evaluate this statement with reference to the poem.
Mathematics	Circles – Tangents and Properties of Tangents	1. Identify tangents, secants and points of contact. 2. Prove that the tangent is perpendicular to the	Starter: Recall circle terminology through diagrams and questioning. Demonstration: Use GeoGebra to explore	Type: Diagnostic, formative, and competency-based assessment. Skill: Logical reasoning, mathematics	Support (LA/SEN): Use labelled diagrams, visual prompts and guided problems involving	Think–Pair–Share, mini-whiteboard responses, targeted questioning, peer assessment, traffic-light	Connect tangent properties to circular roundabouts and architectural structures in the UAE. Explore the	Upload lesson PPT, GeoGebra link, theorem notes, differentiated worksheets, NCERT practice	Support: Draw and label a circle with two tangents from an external point. Solve two basic tangent-length questions.

		<p>radius at the point of contact.</p> <p>3. Prove that tangents drawn from an external point are equal in length.</p> <p>4. Apply tangent properties to solve CBSE numerical and reasoning problems.</p>	<p>tangent properties.</p> <p>Guided Practice: Demonstrate theorem proofs and numerical applications.</p> <p>Group Activity: Solve competency-based problems in pairs.</p> <p>Plenary: Complete an exit ticket question.</p>	<p>al proof, and problem-solving.</p> <p>Evidence: Completed worksheets, accurate diagrams, theorem proofs, peer explanations and exit tickets.</p>	<p>equal tangents.</p> <p>Core (MA): Solve NCERT-based numerical problems and structured theorem proofs.</p> <p>Challenge (HA): Solve HOTS and real-life application questions involving multiple tangents, algebra and geometrical reasoning.</p>	<p>assessment and exit tickets</p>	<p>application of geometry in UAE road networks, engineering and sustainable infrastructure.</p> <p>Upload lesson PPT, GeoGebra link, theorem notes, differentiated worksheets, NCERT practice questions and exit-ticket quiz on Ed</p>	<p>questions and exit-ticket quiz on Edunation.</p>	<p>Core: Complete NCERT textbook exercises on tangents and solve three CBSE-style numerical problems.</p> <p>Challenge: Solve two HOTS questions involving tangent properties and geometrical proofs.</p> <p>Real-Life Application: Identify a circular structure or roundabout in the UAE and explain how tangent concepts relate to its design.</p>
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Science (Biology)	Human reproduction, Reproductive health	1. Identify the major organs of the male and female reproductive systems. 2. Describe the functions of the reproductive organs	<p>Explanation: Use labelled diagrams to explain the male reproductive system (testes, sperm ducts, accessory glands, urethra and penis) and female reproductive system.</p> <p>Discussion: Explain reproductive health, menstrual hygiene, prevention of sexually transmitted infections (STIs)</p>	<p>Competency-based: Explain why blockage of the oviduct may prevent fertilisation. Application-based: Suggest healthy practices that support reproductive health.</p> <p>Evidence: Correct labels, comparison table and written responses.</p>	<p>Support: Provide labelled diagrams, a word bank and organ-function matching exercises. Core: Draw and label both reproductive systems and explain the functions of major organs. Challenge: Analyse a case study involving infertility or an STI and explain prevention, possible causes and the</p>	think-pair-share, peer assessment and exit tickets. Ask students to name two reproductive organs and explain one way to maintain reproductive health.	Connect the lesson to the UAE's commitment to family wellbeing, personal responsibility and access to healthcare.	lesson notes, an organ-function worksheet and reproductive health questions to the LMS.	1. Draw and label the male and female reproductive systems. 2. Write the functions of five major reproductive organs. 3. Explain four practices that promote reproductive health
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					importance of professional medical care.				
Science (Chemistry)	Carbon Compounds: Covalent Bonding & Electron Dot Structures	Explain the formation of covalent bonds by mutual sharing of valence electrons.	Engage (5 mins): Teacher demonstrates carbon's atomic configuration ($Z=6: 2, 4$) and poses the problem of achieving octet configuration. Explore & Explain (15 mins): Guided instruction on covalent bond formation	Formative Assessment • Skill: Problem-solving, representation, and conceptual understanding	Support: Provided with pre-drawn valence shells and color-coded electron dots to build simple molecules Core: Draw electron dot structures independently Challenge: Predict and draw the electron dot	Traffic Light Cards / Self-Assessment: Students signal understanding after guided drawing.	UAE Energy & Innovation: Connect carbon chemistry to UAE's sustainable energy initiatives, such as the <i>Barakah Nuclear Energy Plant</i> and green hydrogen strategies aimed at reducing carbon-based greenhouse gases (CO_2) to	Lesson Presentation slides (PPT) • Covalent Bonding & Electron Dot Practice Worksheet (PDF)	Complete assigned worksheet questions on drawing electron dot structures for Cl_2 , H_2O , and CH_4 .

					structure for ethene.		achieve Net Zero 2050.		
Science (Physics)	Light reflection and refraction of light.	1. Explain refraction of light and identify its causes. 2. State and explain the two laws of refraction. 3. Draw and label ray diagrams showing refraction from rarer to denser and denser to rarer media. 4. Apply Snell's law to solve numerical problems involving	Type: Formative, practical, and application-based assessment. Skill: Observation, scientific reasoning, diagram interpretation, measurement and numerical problem-solving. Evidence: Correctly labelled ray diagrams, practical observation sheets, numerical solutions, and oral responses. Success Indicators:	Support (LA/SEN): Provide labelled ray diagrams, vocabulary cards, and guided worksheets. Students identify incidents, refracted, and normal rays with teacher support. Core (MA): Draw ray diagrams, explain the laws of refraction and solve straightforward refractive index	Think–Pair–Share: Predict why a pencil appears bent in water. Hinge Questions: Does light always bend towards normal? Mini Whiteboards: Students sketch refracted rays for different media. Peer Assessment: Compare and correct	Connect refraction to UAE innovation and technology, including optical systems used in astronomy, underwater photography, and scientific research. Discuss how lenses and optical instruments support space exploration and scientific advancement in the UAE.	Upload PPT: Refraction of Light and Laws of Refraction. Video: Demonstration of refraction through a glass slab. Worksheet: Ray diagrams and refractive index numericals. Resources: Simulation, summary notes, and a short online quiz.	Upload PPT: Refraction of Light and Laws of Refraction. Video: Demonstration of refraction through a glass slab. Worksheet: Ray diagrams and refractive index numericals. Resources: Simulation, summary notes, and a short online quiz.	1. Define refraction of light and state its two laws. 2. Draw labelled ray diagrams showing light travelling from air to glass and from glass to air. 3. Explain why a swimming pool appears shallower than its actual depth. 4. A ray of light travels from air into glass with an angle of incidence of 45° and an angle of refraction of 28° . Calculate the refractive index of glass. 5. HOTS: Why does light passing through a rectangular

		refractive index. 5. Relate refraction to real-life applications.	Students can explain why light bends, state both laws and calculate refractive index using Snell's law.	numericals. Challenge (HA): Analyse the relationship between angles of incidence and refraction, solve higher-order numerical problems, and explain why light bends towards or away from the normal.	labelled diagrams. Exit Ticket: State the two laws of refraction and explain one practical application.	Highlight the UAE values of innovation, scientific curiosity and technological progress.			glass slab emerge parallel to the incident ray but show lateral displacement?
Social Science (History)	The Making of a Global World	Explain how trade, travel and cultural exchange connected different parts of	Use textbook explanations, map-based discussion and visual analysis to explore the Silk Routes, the spread of food	Formative assessment through oral questioning, map-based activities and short	Support: Provide simplified notes, key vocabulary and a labelled map of	Use think-pair-share, targeted questioning and exit tickets. Students will name	Connect the lesson to the UAE's historical role in maritime trade and cultural	Past year questions	Read the learning material for the next class to develop prior knowledge and prepare

		the world in the pre-modern period, and describe how food, diseases and European conquests influenced global connections.	crops and the impact of European exploration and conquest in America. Students will identify important trade goods, trace the movement of crops and explain the role of smallpox in the Spanish conquest of America.	written responses to assess historical understanding, interpretation of evidence and cause-and-effect reasoning.	major trade connections. Core: Ask students to explain the importance of the Silk Routes and the spread of food crops. Challenge: Ask students to analyse how diseases and European conquests transformed the lives of the original inhabitants of America.	one example of cultural exchange and explain one impact of European conquest.	exchange, highlighting the importance of trade, cooperation and connections between different communities.		for the upcoming lesson.
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Social Science (Geography)	Manufacturing Industries –	Define manufacturing industries and analyse why and how they form the backbone of an economy	Students work in groups to research how manufacturing contributes to employment, agriculture, trade, economic growth and value addition. Each group prepares and delivers a short presentation with relevant Indian examples.	Group presentation assessing conceptual understanding, research, analytical thinking and communication.	Provide key points and examples. Core: Explain the economic importance of manufacturing. Challenge: Analyse how manufacturing promotes economic development with suitable examples.	Peer questioning and exit ticket: “Why are manufacturing industries called the backbone of the economy?”	UAE's industrial development, Make it in the Emirates initiative, economic diversification and sustainable growth. Highlight how manufacturing contributes to national development and self-reliance in both countries.	worksheet	Write a short paragraph explaining three reasons why manufacturing industries are essential for India's economic development.
Social Science (Economics)	Meaning and Importance of Globalisation	1. Define globalisation and explain its meaning in the context of the Indian	Starter: Display examples of international brands, imported products and digital services. Ask: “How can	Diagnostic: Oral questioning to assess prior knowledge of international	Support: Provide a keyword bank, visual prompts and sentence	Use Think–Pair–Share, targeted probing questions, mini-whiteboard responses	Connect globalisation with the UAE's role as an international trade, logistics,	Upload the lesson presentation, learning resources, concept-map worksheet,	1. Define globalisation and explain any four aspects of its importance. 2. Identify one Indian

		<p>economy. 2. Analyse the importance of globalisation in promoting international trade, foreign investment, technological advancement and economic growth. 3. Relate globalisation to real-life examples from India and the UAE.</p>	<p>a product manufactured in one country reach consumers worldwide?"</p> <p>Teacher Input: Explain the meaning of globalisation and its key features through a concept map and real-life examples. Collaborative Learning: Students discuss how globalisation influences employment, consumer choice, technology and business opportunities. Application: Students</p>	<p>al trade and foreign products. Formative: Concept-mapping and group discussion to assess understanding, communication and analytical skills. Application-based: Students explain two ways globalisation benefits an economy, supported by relevant examples. Evidence: Accurate definitions,</p>	<p>starters to explain globalisation and identify two benefits. Core: Students define globalisation and explain three aspects of its importance using suitable examples. Challenge: Students critically analyse how globalisation creates opportunities for economic</p>	<p>and exit tickets. Ask: "Why is globalisation important for a developing economy?" Students complete the exit ticket by defining globalisation and identifying two benefits. Use responses to identify misconceptions and plan follow-up support.</p>	<p>tourism and business hub. Discuss how the UAE's cultural diversity, global partnerships and economic diversification strengthen its international economic connections while preserving Emirati heritage and national identity.</p>	<p>application-based task and assessment questions to Education/MS Teams, as applicable. Include clear instructions, submission deadlines and relevant learning materials.</p>	<p>company or UAE-based business with international operations and briefly explain how it benefits from globalisation. Support your answer with relevant examples.</p>
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			examine an Indian or UAE-based business operating internationally and identify the benefits of globalisation. Plenary: Students summarise the meaning and importance of globalisation using a key-word chain.	completed concept maps, reasoned responses and real-world examples.	growth, international competitiveness and technological transfer, using examples from India or the UAE.				
Hindi	आत्मत्राण	<ul style="list-style-type: none"> कविता का केंद्रीय भाव समझना। आत्म विश्वास और साहस 	<ul style="list-style-type: none"> कविता का वाचन एवं भावार्थ समझाना। कठिन शब्दों के अर्थ बताना। प्रश्नोत्तर एवं चर्चा। 	<ul style="list-style-type: none"> मौखिक प्रश्नोत्तर। भावार्थ एवं लिखित अभ्यास। 	<ul style="list-style-type: none"> Support: सरल प्रश्न एवं शब्दार्थ। Core: पाठ-आधारित प्रश्न। Challenge: कविता 	<ul style="list-style-type: none"> प्रश्नोत्तर। थिंक-पेयर-शेयर। एक्जिट टिकट। 	<ul style="list-style-type: none"> भारतीय साहित्य एवं संस्कृति का सम्मान। UAE के दृढ़ संकल्प और 	नोट्स, भावार्थ एवं अभ्यास प्रश्न।	<ul style="list-style-type: none"> कविता का केंद्रीय भाव लिखिए। कविता से मिलने वाली प्रेरणा बताइए।

		<p>के महत्व को समझना।</p> <ul style="list-style-type: none"> कविता का भावपूर्ण वाचन करना। 			<p>के संदेश का जीवन से संबंध जोड़ना।</p>		<p>सहिष्णुता के मूल्यों से संबंध।</p>		
Malayalam	<p>വിഷുക്കണി - വൈലോപ്പിള്ളി ശ്രീധരമേനോൻ</p>	<p>കവിതയുടെ ആശയം മനസ്സിലാക്കുകയും വിഷുവിന്റെ സാംസ്കാരിക പ്രാധാന്യവും പ്രകൃതിഭംഗിയും തിരിച്ചറിയുകയും ചെയ്യുന്നു.</p>	<p>കവിതയുടെ ആലാപനം, വിഷുക്കണിയുടെ ചിത്രങ്ങൾ നിരീക്ഷിക്കൽ, വിഷുവിന്റെ പ്രാധാന്യത്തെക്കുറിച്ചുള്ള ചർച്ച, കവിതയുടെ ആശയം ഗ്രൂപ്പുകളിൽ അവതരിപ്പിക്കൽ.</p>	<p>വാചികചോദ്യങ്ങൾ, കവിതയുടെ ആശയം എഴുതൽ, വിഷുക്കണിയുടെ സവിശേഷതകൾ വിവരിക്കൽ.</p>	<p>Support: ചിത്രങ്ങളുടെ സഹായത്തോടെ വിഷുക്കണിയിലെ വസ്തുക്കൾ തിരിച്ചറിയുന്നു. Core: കവിതയുടെ ആശയം സ്വന്തം വാക്കുകളിൽ എഴുതുന്നു. Challenge: വിഷുവി</p>	<p>ചോദ്യോത്തരങ്ങൾ, തിങ്ക്-പെയർ-ഷെയർ, എക്സിറ്റ് ടിക്കറ്റ്.</p>	<p>യുഎഇയിലെ വിവിധ സാംസ്കാരിക ആഘോഷങ്ങളോടും പാരമ്പര്യങ്ങളോടും ആദരവ് വളർത്തുന്നു.</p>	<p>കവിതയുടെ കുറിപ്പുകളും പ്രവർത്തനപത്രവും LMS-ൽ അപ്ലോഡ് ചെയ്യുന്നു.</p>	<p>വിഷുക്കണിയെക്കുറിച്ച് ഒരു ഖണ്ഡിക എഴുതുക. വിഷുക്കണിയിലെ പ്രധാനപ്പെട്ട അഞ്ച് വസ്തുക്കളുടെ പേരുകൾ എഴുതുക.</p>

					<p> ന്റെ സാംസ്കാരിക പ്രാധാന്യം കവിതയുമായി ബന്ധപ്പെടുത്തി വിശദീകരിക്കുന്നു. </p>				
French	Leçon 10 : Vive la République ! — Le conditionnel présent	Les élèves seront capables de former et d'utiliser le conditionnel présent pour exprimer un souhait, un conseil ou une demande polie.	Rappel des terminaisons de l'imparfait et des radicaux du futur. Explication de la formation du conditionnel présent. Exercices de conjugaison et phrases à	Formative – Écriture et grammaire : exercices de conjugaison, phrases à compléter et correction du cahier.	Soutien : tableau de conjugaison et verbes modèles. Niveau moyen : compléter des phrases. Approfondissement : rédiger des phrases personnelles au conditionnel présent.	Questions ciblées, ardoises et billet de sortie avec trois phrases au conditionnel présent.	Comparer les expressions de souhaits et de suggestions dans la vie quotidienne en France et aux Émirats arabes unis, en valorisant la politesse et le respect.	Fiche de grammaire et exercices déposés sur le LMS.	Compléter les exercices sur le conditionnel présent et rédiger cinq phrases exprimant un souhait ou un conseil.
AI	Conditional Statements in Python	To explain the use of if, if-else, and if-elif-else	Starter: Discuss real-life decision-making situations, such as checking	Formative assessment: Code execution, questioning, and	Support (LA): Complete guided programs using	Questioning, live coding demonstrations, peer assessment	Develop a simple Python program to calculate parking fees	Upload the lesson presentation, Python code examples,	Write and execute three Python programs using if, if-else, and

		statements in Python to make decisions based on given conditions.	whether a number is positive or negative. Main Activity: Explain conditional statements using flowcharts and Python code examples. Students write and execute programs using if, if-else, and if-elif-else. Plenary: Students share their programs and explain how conditions control program execution	worksheet activities. Skill: Logical thinking, coding, and problem-solving. Evidence: Correct syntax, appropriate use of conditions, and accurate program outputs.	simple if statements . Core (MA): Write programs using if-else and if-elif-else statements . Challenge (HA): Solve complex programming problems using nested conditions, logical operators, and multiple decision-making scenarios.	, code tracing, and exit tickets to assess understanding.	or check speed limits in a UAE road-safety context, promoting responsible and safe practices.	practice worksheet, and programming tasks to the LMS.	if-elif-else statements. Submit the code and output screenshots.
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Arabic	مراجعة	استرجاع - 1 المفردات والتركييب اللغوية التي سبق تعلمها تطبيق - 2 القواعد والمفردات التي تمت دراستها بصورة صحيحة التمييز - 3 بين الاستخدام الصحيح وغير الصحيح للتراكيب اللغوية	طرح أسئلة سريعة ومراجعة المفاهيم السابقة لتنشيط المعرفة السابقة مراجعة المفردات والقواعد والمفاهيم السابقة من خلال الأمثلة والصور والأسئلة التفاعلية.	الأسئلة الشفهية، والملاحظة، والمشاركة الصفية، وأوراق العمل، وبطاقة الخروج.	مستوى أول استخدام الصور، وبنك الكلمات، وبدايات الجميل، وتقديم الدعم الفردى أو من الأقران. المستوى الثانى : حل أنشطة المراجعة وتطبيق المفردات والتركييب بصورة مستقلة. التحدي: توظيف المفردات والتركييب في جمل جديدة أو إنتاج إجابات أكثر تفصيلاً ودقة.	العرض، والأسئلة الموجهة	توظيف بعض المفردات والأمثلة المرتبطة بدولة الإمارات العربية المتحدة، وثقافتها وتراثها وحياة المجتمع الإماراتي	رفع ورقة المراجعة	مراجعة المفردات والتركييب التي تم تناولها في الدرس
	Islamic Studies	Topic: Recordin	Analyze the	Ask students how the	Diagnostic: Oral	Use simplified	Think–Pair– Share.	Promote UAE values	Upload the lesson

	g the Sunnah	<p>example mentioned in the Holy verses.</p> <p>Infer the meaning and significance of Allah's honoring of mankind.</p> <p>Apply the rules of constructive dialogue in discussions .</p>	<p>Sunnah of Prophet Muhammad (PBUH) has been preserved and transmitted across generations.</p> <p>Explain the importance of recording the Sunnah and discuss the examples mentioned in the Holy verses. Clarify the meaning of Allah's honouring of mankind.</p>	<p>questioning to assess prior knowledge of the Sunnah.</p> <p>Formative: Questioning , pair discussion and analysis of the verse</p>	<p>explanations, word banks, visual prompts and sentence starters.</p> <p>Explain the example in the verses and identify the significance of preserving the Sunnah.</p>	<p>Targeted questioning .</p> <p>Peer feedback using constructive dialogue rules.</p>	<p>of tolerance, respect, cooperation and peaceful dialogue, connecting Islamic teachings with the UAE's commitment to social harmony.</p>	<p>presentation, key vocabulary, learning resources and differentiated worksheet to the school LMS.</p>	<p>explaining the importance of recording the Sunnah and mention two rules of constructive dialogue.</p>
Moral Science	Humility and Open-Mindedness	To evaluate the importance of humility	Students will analyse real-life scenarios and discuss how accepting different	Formative assessment – students will justify appropriate responses	Support: guided prompts; Core: analyse scenarios;	Think–Pair–Share will encourage students to consider alternative	Students will connect humility and open-mindedness with the	Reflection questions and scenario-based activities	Students will write a short reflection on how open-mindedness can help

		and open-mindedness in building respectful relationships and making informed decisions.	perspectives and acknowledging personal limitations promote mutual respect.	to a moral dilemma demonstrating humility and open-mindedness.	Challenge: evaluate conflicting viewpoints and propose balanced solutions.	viewpoints and reflect on their own assumptions.	UAE values of tolerance, respect, coexistence, and cultural understanding.	will be uploaded to the LMS	resolve disagreements respectfully.
MSCS	Half-Yearly Question Paper Discussion and Answer Paper Analysis.	Understand the correct answers, analyse their performance in the half-yearly examination, and identify areas for improvement based on the marks and feedback received.	Discuss the half-yearly question paper and explain the correct answers, marking scheme and expected responses. Students will review their answer papers, clarify doubts and correct their mistakes.	Formative assessment through question-and-answer discussions, correction of responses and analysis of students' answer papers to assess subject understanding and answer-writing skills.	Support: Provide simplified explanations and guided corrections for students who need additional help. Core: Ask students to correct errors and improve their answers. Challenge: Encourage students to write	Use self-assessment and peer discussion to help students identify mistakes, understand feedback and set targets for improvement.	Encourage responsibility, honesty, perseverance and a growth mindset, connecting these values to the UAE's emphasis on continuous learning and excellence.	Answer key	Read the textbook for the next class to develop prior knowledge and prepare for the upcoming lesson.

					detailed, well- structured answers using appropriate keywords and examples.				
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