



**TERM 2 SYLLABUS 2023-24  
GRADE 9**

SUBJECT	SYLLABUS
MATH	CHAPTER 1 : NUMBER SYSTEM CHAPTER 2. POLYNOMIALS CHAPTER 3 COORDINATE GEOMETRY CHAPTER 4. LINEAR EQUATIONS IN TWO VARIABLES CHAPTER 5 : INTRODUCTION TO EUCLID’S GEOMETRY CHAPTER 6 : LINES AND ANGLES CHAPTER 7 : TRIANGLES CHAPTER 8 : QUADRILATERALS CHAPTER 9 : CIRCLES CHAPTER 10 : HERON'S FORMULA CHAPTER 11 : SURFACE AREAS AND VOLUMES CHAPTER 12 : STATISTICS
SCIENCE	<p><b>PHYSICS</b>            Chapter 8: Motion            Chapter 9: Force and laws of motion            Chapter 10: Gravitation            Chapter 11: Work, energy and power            Chapter 12: Sound</p> <p><b><u>Practicals:</u></b>            1) Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.            2) Establishing the relation between the loss in weight of a solid when fully immersed in tap water.            3) Determination of the speed of a pulse propagated through a stretched string/slinky            4) Verification of the Laws of Reflection of sound.</p> <p><b><u>Biology:</u></b>  <b><u>Theory</u></b>            Chapter 5: The Fundamental Unit of Life            Chapter 6: Tissues            Chapter 15: Improvement in food resources</p> <p><b><u>Practicals:</u></b>            ★ Expt 1: To prepare temporary mounts of- (a) Onion Peel</p>

	<p>(b) Human cheek cells and to record observations and draw their labeled diagrams.</p> <p>★ Expt 2: Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams.</p> <p><b><u>Chemistry</u></b>  <b><u>Theory</u></b>  Chapter 1-Matter in our surroundings  Chapter 2-Is matter around us pure?  Chapter 3:Atoms and molecules  Chapter 4:Structure of the atom  <b><u>Practicals</u></b></p> <p>1.Preparation of:  a) true solution of common salt, sugar and alum  b)suspension of soil, chalk powder and fine sand in water  c)colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of transparency filtration criterion stability  2.Preparation of  a)A mixture  b)A compound using iron filings and sulphur powder and distinguishing between these on the basis of:appearance, i.e., homogeneity and heterogeneity,behaviour towards a magnet,behaviour towards carbon disulphide as a solvent effect of heat.  3.Perform the following reactions and classify them as physical or chemical changes:  a)Iron with copper sulphate solution in water  b)Burning of magnesium ribbon in air  c)Zinc with dilute sulphuric acid  d)Heating of copper sulphate crystals  e)Sodium sulphate with barium chloride in the form of their solutions in water  4.Verification of the law of conservation of mass in a chemical reaction.</p>
ENGLISH	<p><b><u>Reading Comprehension</u></b>  I. One unseen passage to assess comprehension, interpretation inference and vocabulary. The passage may be factual, descriptive or literary.  II. One unseen case-based passage with verbal/visual inputs like</p>

	<p>statistical data, charts etc.</p> <p><b><u>WRITING</u></b></p> <p>I. Writing a Descriptive Paragraph (word limit 100-120 words) on an Event/place/person or a diary entry based on visual or verbal cue/s.</p> <p>II. Writing a story (word limit 100-120 words) on the basis of given cues.</p> <p><b><u>GRAMMAR</u></b></p> <ol style="list-style-type: none"> <li>1. Determiners</li> <li>2. Modals</li> <li>3. Subject-Verb Agreement/ concord</li> <li>4. Tenses</li> <li>5. Transformation of sentences (Reported Speech)</li> </ol> <p><b><u>LITERATURE</u></b></p> <p><b><u>Beehive ( Prose)</u></b></p> <ol style="list-style-type: none"> <li>1. The Fun They Had</li> <li>2. The Sound Of Music</li> <li>3. The Snake and The Mirror</li> <li>4. My Childhood</li> <li>5. Reach For the Top - I and II</li> <li>6. Kathmandu</li> <li>7. If I were you</li> </ol> <p><b><u>Beehive(Poetry)</u></b></p> <ol style="list-style-type: none"> <li>1. The Road Not Taken</li> <li>2. The Lake Isle of Innisfree</li> <li>3. A Legend of The Northland</li> <li>4. No Men Are Foreign</li> <li>5. On Killing a Tree</li> <li>6. A Slumber did my Spirit Seal</li> </ol> <p>1. <b><u>Moments</u></b></p> <ol style="list-style-type: none"> <li>1. The lost Child</li> <li>2. The Happy Prince</li> <li>3. The Last Leaf</li> <li>4. A House is Not A Home</li> </ol>
<p><b>SOCIAL SCIENCE</b></p>	<p><b>Geography</b></p> <p>Chapter 1 India size and location</p> <p>Chapter 2 Physical Features of India</p> <p>Chapter 3 Drainage</p> <p>Chapter 5 Climate</p> <p>Chapter 5 Natural Vegetation and Wildlife</p> <p>Chapter 6 Population</p> <p><b>History</b></p> <p>Chapter 1 French Revolution</p> <p>Chapter 2 Socialism in Europe and the Russian Revolution</p>

	<p>Chapter 3 Nazism and the rise of Hitler  Chapter 4 Forest Society and Colonialism  Chapter 5 Pastoralists in the Modern World  <b>Political science</b>  Chapter 1 What is democracy? Why democracy?  Chapter 2 Constitutional Design  Chapter 3 Electoral Politics  Chapter 4 Working of Institutions  Chapter 5 Democratic Rights  <b>Economics</b>  Chapter 1 The story of village Palampur  Chapter 2 People as resource  Chapter 3 Poverty as a Challenge  Chapter 4 Food Security in India</p>
AI	<p><b>Part A:</b>  Unit 1: Communication Skills  Unit 2: ICT Skills  Unit 3: Self Management Skills  Unit 4: Entrepreneur Skills  Unit 5: Green Skills  <b>Part B:</b>  Module 1: Introduction to AI  Module 3: Uses of AI and AI Ethics  Module 4: AI Project Cycle  Module 5: Neural Networks  Module 6: Basics of Python  Module 7: Decision making and loops in Python  Module 8: Lists</p>
ISLAMIC	<p>:SA2:  UNIT-6. LESSON2: A Muslim`s Right on his brother.  UNIT-6. LESSON4: Imam Ahmad Bin Hanbal (May Allah have mercy on him).  UNIT-3. LESSON4: Permissible (Halal) and Forbidden (Haram )foods and drinks.  UNIT-6. LESSON3: Etiquette in the Market and Public Utilities.</p>
ARABIC	<p>الوحدة الثالثة : مُؤَثَّرُونَ على مَرِّ الزمان  الدرس الأول = حكيم العرب - جامع الشيخ زايد الكبير  الوحدة الرابعة : عالم السينما والتلفزيون  الدرس : تاريخ السينما  الوحدة الخامسة: كأس العالم  الدرس: حكايات كروية ملهمة  الوحدة السادسة: العالم الافتراضي</p>

	<p style="text-align: right;">الدرس: التعليم الافتراضي</p> <p><b>Reading comprehension</b></p> <p><b>Vocabulary</b> -singular and plural and opposites(المفرد والجمع والعكس)</p> <p><b>Writing</b> -make sentences.(تكوين الجملة)</p> <p><b>Creative writing</b> ( حديقة ,كرة القدم )</p> <p><b>Picture describes :</b></p> <p><b>Grammar</b></p> <p style="text-align: right;">أقسام الكلام- اسم - فعل - حرف (parts of speech)  فعل الماضي فعل المضارع (Present tense and past tense)  جملة اسمية - جملة فعلية (Verbal sentences)  أسماء الإشارة (Demonstrative pronoun)  أسماء الموصول (Relative pronouns)  أسلوب الإستفهام  أسلوب التعجب  فعل - فاعل - مفعول به  ضمير (متصل منفصل )</p>
<p>MSCS</p>	<p><b>Unit 3: Developments leading up to the UAE</b></p> <p>Lesson 1 The Rise of Islamic Civilization in the land of the UAE</p> <p>Lesson 2- Emergence of BaniYas and Qawasim and the Beginnings of Colonial period</p> <p>Lesson 3. The British Maritime System and National Identity</p> <p>Lesson 4 The Trucial States Leading up to Nationalization</p> <p><b>Unit 4 - The UAE Emerges</b></p> <p>*Sheikh Zayed and the UAE.</p> <p>*Early Development of the Nation.</p> <p>*The UAE from 1990’s to 2010.</p> <p><b>Term 3 UNIT 1</b></p> <p>Lesson 1 Civic Engagement.</p> <p>Lesson 2 The Good Citizen</p> <p>Lesson3-The Good Citizen in my country</p> <p>Lesson4-Developing my competencies in Civic Engagement.</p> <p><b>Unit 2 The UAE in 21st century</b></p> <p>Lesson1-Transition to the Knowledge Economy</p> <p>Lesson2- 21st century Infrastructure and Smart initiatives</p> <p>Lesson6-Civic responsibilities of Citizens and residents</p> <p>Lesson7-Trends in Local and International Trade</p> <p>Lesson8-Taking the UAE into the future</p>
<p>MALAYALAM</p>	<p><b>Reading Section</b> - അവധാരണം(പദ്യഭാഗം)</p> <p><b>Writing Section</b></p> <p>കത്ത് തയ്യാറാക്കൽ (ഔപചാരികം)</p> <p>പത്രവാർത്ത തയ്യാറാക്കുക</p> <p>ഉപന്യാസം</p>

	<p>വാക്യത്തിൽ പ്രയോഗിക്കുക</p> <p><b>Grammar Section</b></p> <p>അംഗവാക്യം , അംഗിവാക്യം , പ്രയോഗം , വിധിവാക്യം , നിഷേധവാക്യം , അർത്ഥം</p> <p>പര്യായം , നാനാർത്ഥം, അർത്ഥവ്യത്യാസം, എതിർലിംഗം, വിഗ്രഹാർത്ഥം, വിപരീതം , വാക്യശുദ്ധി.</p> <p><b>Literature Section</b></p> <p>L: ആർഭാടത്തിൽ നിന്ന് ലാളിത്യത്തിലേക്ക്</p> <p>L : അമ്പാടിയിലേക്ക്</p> <p>L : വിശ്വം ദീപമയം (പദ്യം )</p> <p>L : രണ്ട് ടാക്സിക്കാർ (ഗദ്യം )</p> <p>L : അതേ പ്രാർത്ഥന (പദ്യം )</p> <p>L : വെള്ളച്ചാട്ടത്തിന്റെ ഇടിമുഴക്കം (ഗദ്യം )</p> <p>L : കാളകൾ (പദ്യം )</p> <p>ഉപപാഠപുസ്തകം - തേജസ്വിയായ വാഗ്മി (1 -9)</p>
URDU	<p>Literature:</p> <p>1- Tinka thoday hi hawa se ud jata hai</p> <p>2- Dohay</p> <p>3-Masnawi sayara</p> <p>4- Bahaar ke din ( nazm)</p> <p>5-Mulla nasruddin</p> <p>6- waqt</p> <p>Grammar:</p> <p>Essay ( different topics)</p> <p>Letter</p> <p>Application</p> <p>Khulasa</p> <p>Markazi Khayal</p> <p>Ramooz w awqaaf ka istamaal</p> <p>Comprehension</p> <p>Wahid jamah, mutazaad, mutradif,</p>
TAMIL	<p>இயல் - 4</p> <p>இயந்திரங்களும், இணையவழிப் பயன்பாடும். ஓ, என் சமகாலத் தோழர்களே!, உயிர்வகை, விண்ணையும் சாடுவோம், வல்லினம் மிகா இடங்கள்.</p> <p>இயல் - 5</p> <p>கல்வியிற் சிறந்த பெண்கள் குடும்ப விளக்கு,</p>

	<p>சிறுபஞ்சமூலம், விட்டிற்கோர் புத்தகச் சாலை இடைச்சொல், உரிச்சொல்.</p> <p>இயல் - 6 சிற்பக்கலை, இராவண காவியம் நாச்சியார் திருமொழி, செய்தி புணர்ச்சி, திருக்குறள் கட்டுரை, கடிதம்.</p>
BANGLA	<p><b>A-READING</b></p> <ul style="list-style-type: none"> <li>• Unseen Passage (150 - 200 Words)</li> </ul> <p><b>B- GRAMMAR</b></p> <ul style="list-style-type: none"> <li>• Sandhi (Swarosandhi) :</li> <li>• Somas (Dwigu, Tatpurush, Bahubreehi)</li> <li>• Bakya Poriborton( Nirdeshok, Proshnosuchak, Bismoybodhok, Anugyasuchak, Prarathanasuchak)</li> <li>• Shabdogoto O Bakযোগoto ashuddhi Sangsodhon</li> </ul> <p><b>C-LITERATURE</b></p> <p><b>[PART-A]</b></p> <ul style="list-style-type: none"> <li>• Chhuti- Rabindranath Tagore</li> <li>• Chithi- Swami Vivekananda</li> <li>• Ilyas – Leo Tolstoy</li> <li>• Daam-Narayan Gangopadhyay</li> </ul> <p><b>[PART-B]</b></p> <ul style="list-style-type: none"> <li>• Kheya- Rabindranath Tagore</li> <li>• Byathar Banshi – Jasimuddin</li> <li>• Janmabhumi Aaj- Birendra Chattopadhyay</li> <li>• Ei Jibon</li> </ul> <p><b>Supplementary Reader:</b> Aam Aantir Bhenpu- Bibhutibhushan Bandyopadhyay (Sampurno)</p> <p><b>D-CREATIVE WRITING</b></p> <ul style="list-style-type: none"> <li>• Report Writing</li> <li>• Notice Writing (school related)</li> </ul>
FRENCH	
HINDI	<p><b>A-READING (लेखन )</b></p> <ul style="list-style-type: none"> <li>• अपठित गद्यांश Unseen Passage (150 - 200 Words)</li> </ul> <p><b>B- GRAMMAR (व्याकरण )</b></p>

	<ul style="list-style-type: none"> <li>● पदबंध (Phrases)</li> <li>● रचना के आधार पर वाक्य रूपांतरण (Transform the sentence into Simple, Compound &amp; Complex sentences)</li> <li>● समास (Compound)</li> <li>● मुहावरे (Idioms)</li> </ul> <p><b>C- LITERATURE SPARSH साहित्य पाठ्यपुस्तक “स्पर्श”</b> [PART-1 ]</p> <ul style="list-style-type: none"> <li>● पाठ 3- तुम कब जाओगे अतिथि</li> <li>● पाठ 4- वैज्ञानिक चेतना के वाहक चंद्रशेखर वेंकट रमन</li> <li>● पाठ 6- शुकृतारे के समान</li> <li>● पाठ 11- अग्निपथ (कविता)</li> <li>● पाठ 13- नए इलाके में ,खुशबू रचते हैं हाथ (कविता)</li> </ul> <p><b>LITERATURE SANCHAYAN साहित्य पाठ्यपुस्तक “संचयन”</b> [PART-1 ]</p> <ul style="list-style-type: none"> <li>● पाठ 2- स्मृति</li> <li>● पाठ 3- कल्लू कुम्हार की उनाकोटी</li> <li>● पाठ 4- मेरा छोटा -सा निजी पुस्तकालय</li> </ul> <p><b>D- WRITING लेखन</b></p> <ul style="list-style-type: none"> <li>● अनुच्छेद लेखन (Paragraph Writing)</li> <li>● पत्र लेखन (letter Writing)</li> <li>● सूचना लेखन (Notice Writing)</li> <li>● विज्ञापन (Advertisement)</li> <li>● लघुकथा /ईमेल (Short Story /Email Writing)</li> </ul>
SPECIAL ARABIC	<p>الوحدة الثالث : البيئية الشجرة تبكي البيئية داري إلى الإنسان</p> <p>الوحدة الرابع : مع العالم الرقمي أهلا بالواقع الافتراضي التقنية تتحدّث مناظرة بين روبات إنسان القواعد النحوية كان وأخواتها الجملة الإسمية المركب الإشاري</p>



	<p>المركب الإضافي المركب الوصفي اسم فاعل اسم مفعول</p>
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