

TERM 1 SYLLABUS
GRADE 10

SUBJECT	SYLLABUS
Mathematics	<p>Ch1: Real Numbers Ch2: Polynomials Ch3: Pair of Linear Equations In Two Variables Ch13: Statistics Ch7: Coordinate Geometry Ch6: Triangles Ch4: Quadratic Equation Ch8: Introduction to trigonometry(Till ex 8.2)</p>
Science	<p>CHEMISTRY: Chapter 1: Chemical reactions and equations Chapter 2: Acids, bases and salts Chapter 3: Metals and non-metals Practicals: 1) Finding the pH of the following samples by using pH paper/universal indicator 2) Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction. 3)Performing and observing the following reactions and classifying them. A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction 4) Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions. i) $ZnSO_4(aq)$ ii) $FeSO_4(aq)$ iii) $CuSO_4(aq)$ iv) $Al_2(SO_4)_3(aq)$ Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result. PHYSICS THEORY: CHAPTER-10- Light- Reflection and Refraction CHAPTER- 11 - Human eye and colorful world CHAPTER- 12: Electricity(Till factors affecting resistance of a conductor)</p>

	<p>PRACTICALS</p> <p>i) Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determining its resistance.</p> <p>ii) To determine focal length of a concave mirror by obtaining the image of a distant object.</p> <p>iii) To determine focal length of a convex lens by obtaining the image of a distant object.</p> <p>iv) Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.</p> <p>BIOLOGY</p> <p>THEORY:</p> <p>CHAPTER ;6 - LIFE PROCESSES</p> <p>CHAPTER; 7 - CONTROL AND COORDINATION</p> <p>PRACTICALS</p> <p>1. To prepare a temporary mount of a leaf peel to show its stomata.</p> <p>2.. To show experimentally that CO₂ is Released During Respiration</p>
English	<p>Reading Comprehension:</p> <ol style="list-style-type: none"> 1. Discursive Passage 2. Case-based Factual Passage <p>First Flight:</p> <ol style="list-style-type: none"> 1. A Letter to God 2. Nelson Mandela-a long walk to Freedom 3. Two stories about Flying 4. From the Diary of Anne Frank 5. Dust of Snow 6. Fire and Ice 7. A Tiger in the Zoo 8. How to Tell Wild Animals 9. The Ball Poem <p>Footprints Without Feet:</p> <ol style="list-style-type: none"> 1. A Triumph of Surgery 2. The Thief's story 3. The Midnight Visitor 4. A Question of Trust 5. Footprints Without Feet <p>Writing:</p> <ol style="list-style-type: none"> 1. Formal Letter - Placing an order,complaint, enquiry 2. Analytical Paragraph <p>Grammar:</p> <ol style="list-style-type: none"> 1. Tenses 2. Sub-Verb Agreement 3. Modals 4. Reported Speech 5. Determiners

SST	<ol style="list-style-type: none"> 1. Development (Eco) 2. Power sharing (Politics) 3. Resource and development (Geo) 4. Rise of Nationalism in Europe (History) 5. Sectors of Indian Economy (Eco) 6. Forest and Wildlife resources (Geo) 7. Federalism (Politics) 8. Water resources (Geo) 9. Agriculture (Geo) 10. Money and Credit(Eco) 11. Nationalism in India(History)
Islamic	<p>UNIT-1. LESSON1. Surah Al-Kahf (1-8) UNIT-1. LESSON2. Makkan and Madinan Qur`an UNIT-2. LESSON2. Stages of Collecting the Holy Qur`an. UNIT-3. LESSON1. Owner of 2 Gardens. UNIT-3. LESSON3. Dressing Etiquette.</p>
Optional Arabic	<p style="text-align: center;">الوحدة الأولى - مواطن صالح</p> <p style="text-align: center;">الدرس 1 - قدوتي - راشد بن سعيد دروس لا تنتهي</p> <p style="text-align: center;">الوحدة الثالثة - قضايا عالمية</p> <p style="text-align: center;">الدرس 2 - القيادة المتهورة</p> <p style="text-align: center;">الوحدة الرابعة - الطاقة المتجددة</p> <p style="text-align: center;">الدرس 3 - التغير المناخي</p> <p><u>Creative writing</u> (مدرستي, الحديقة, تاج محل)</p> <p><u>Grammar</u></p> <ol style="list-style-type: none"> 1. أقسام الكلام- فعل - اسم - حرف (parts of speech) 2. أسماء الموصول (Relative pronouns) 3. الجار المجرور (Preposition) 4. أسماء الإشارة (Demonstrative pronouns) 5. أنواع الأفعال - الفعل الماضي, الفعل المضارع (Types of Verbs) 6. جملة اسمية - جملة فعلية (Verbal and Nominal sentences) 7. الضمائر - المنفصل, المتصل (Pronoun) 8. اللام الشمسية واللام القمرية (Sun letters and Moon letters)
Bangla	<p>A-READING</p> <ul style="list-style-type: none"> • Unseen Passage (150 - 200 Words) <p>B- GRAMMAR</p>

	<ul style="list-style-type: none"> ● Sandhi (Byanjansandhi , Bisargasandhi) ● Somas (Dwandwa, Karmadharay, Abyayibhab ● Bakya Paribartan(Saral , Jotil, Jougik) ● Sadhu O Chalit bhashay rupantor <p>C-LITERATURE</p> <p>[PART-A]</p> <ul style="list-style-type: none"> ● Gyanchakshu – Ashapura Devi ● Alobabu - Banaphul ● Adal bodol – Pannalal Patel <p>[PART-B]</p> <ul style="list-style-type: none"> ● Tinpaharer Kole - Shakti Chattapadhyay ● Aay aro bendhe bendhe thaki – Shankha Ghosh ● Astrer biruddhe gaan - Joy Goswami <p>Supplementary Reader:</p> <p>Goploguccha – Rabindranath Thakur</p> <ul style="list-style-type: none"> ● Postmaster ● Kabuliwala <p>D-CREATIVE WRITING</p> <ul style="list-style-type: none"> ● Letter to the Editor ● Paragraph Writing
Tamil	<p>இயல் - 1 அன்னை மொழியே தமிழ்ச்சொல் வளம் இரட்டுற மொழிதல் உரைநடையின் அணிநலன்கள் எழுத்து, சொல் இலக்கணம்.</p>

	<p>இயல் - 2 கேட்கிறதா! என் குரல் காற்றே வா, முல்லைப் பாட்டு புயலிலே ஒரு தோணி தொகைநிலைத் தொடர்கள்.</p> <p>இயல் - 3 விருந்து போற்றுதும் காசிக்காண்டம் மலைபடுகடாம் கோபல்லபுரத்து மக்கள் தொகைநிலைத் தொடர்கள் திருக்குறள் கட்டுரை, கடிதம்.</p>
Urdu	<p>LITERATURE: 1- Hamud-poem (textbook exercise , markazi Khayal) 2-Bay takalufi(textbook exercise, creative writing - khulasa) 3-Zabanu ka ghar hidostant(textbook exercise, creative writing - markazi khayal, khulasa, 4-Hasti Apni hubab ki sahi- Gazal 5- Dr Bhimrao Ambedker(textbook exercise, creative writing - markazi khayal, khulasa) 6-Khuda ke naam Khat 7-Aadmi ki kahani(textbook exercise) 8-</p> <p>Grammar: Wahid jaah, mutazaad ,mutradif,faile haal , faile mustaqbil, faile mazi,faile maroof, faile majhool, Jsm aur is ki iqsam Creative writing: Essay, letter, application, introduction and details poets</p> <p>Reading: Seen passages two(Nazm and Nasr) Unseen passages two(Nazm and Nasr)</p>
Hindi	<p>अपठित गद्यांश (Unseen Passage - 150 - 200 Words)</p> <p><u>स्पर्श (भाग - 2)</u> <u>पद्य(Poem)</u></p> <ul style="list-style-type: none"> ❖ साखी ❖ मीरा के पद ❖ तोप ❖ पर्वत प्रदेश में पावस <p><u>गद्य(prose)</u></p>

	<ul style="list-style-type: none"> ❖ पाठ - बड़े भाई साहब ❖ पाठ - ताँतारा वामीरो ❖ पाठ - अब कहाँ दूसरों के दुःख से दुखी होने वाले ❖ पाठ - कारतूस <p><u>संचयन</u></p> <ul style="list-style-type: none"> ❖ पाठ - हरिहर काका <p><u>व्याकरण</u></p> <ul style="list-style-type: none"> ❖ पदबंध (Phrases) ❖ मुहावरे (Idioms) ❖ वाक्य रूपांतरण (Transform the sentence into Simple, Compound & Complex sentences) ❖ समास (Compound) <p><u>लेखन</u></p> <ul style="list-style-type: none"> ❖ अनुच्छेद (Paragraph Writing) ❖ औपचारिक पत्र (Formal letter Writing) ❖ सूचना (Notice Writing) ❖ विज्ञापन (Advertisement) ❖ ई-मेल / लघु कथा लेखन (Email Writing/Short Story) ❖
French	<p>leçon 2 Après le bac...</p> <ul style="list-style-type: none"> - demander un avis/exprimer la volonté - Les proverbes/L'accent grave. - demander un avis/exprimer la volonté - Le futur antérieur(donner et aller). - Le système d'éducation. - Le système d'éducation. - Les expressions (la forme verbale et la forme nominale). <p>leçon 3 Chercher du travail</p> <ul style="list-style-type: none"> - se renseigner - décrire la carrière professionnelle - Les verbes pronominaux - Les pronoms relatifs simples et composés
Special Arabic	<p>Lessons:-</p> <ol style="list-style-type: none"> 1. يقضي سعيد إجازته في الدراسة 2. مكتبة المدرسة 3. يوم تأسيس المدرسة 4. عصفور الجنة (نظم) 5. في قاعة الإمتحان 6. مدرسة باتنا الثانوية (العدد والمعدود) 7. جولة في دهلي (حروف العطف)

	<p>8. وصف القلم (نظم) 9. شكيل وحميد يسافران إلى مومباي (المثنى) 10. في يوم ماطر</p> <p>Grammar:-</p> <p>1. الجملة الفعلية (فعل، فاعل، مفعول به) 2. المرفوعات 3. المنصوبات 4. الضمائر (المنفصل، المتصل)</p>
AI	<p>Part A-</p> <p>Unit 1: Communication Skills-II Unit 2: Self-management Skills-II Unit 3: Information and Communication Technology Skills-II</p> <p>Part B-</p> <p>Unit 1: Introduction to Artificial Intelligence (AI) Unit 2: AI Project Cycle Unit 3: Advance Python (To be assessed through Practicals) Unit 4: Data Science (Theory) Unit 4: Data Science (To be assessed through Practicals) Unit 5: Computer Vision (Theory) Unit 5: Computer Vision (To be assessed through Practicals)</p>
Malayalam	<p><u>Reading section</u> അവധാരണം - ഗദ്യം</p> <p><u>Writing Section</u> കത്ത് തയ്യാറാക്കൽ (ഔപചാരികം) പത്രവാർത്ത ഉപന്യാസം</p> <p><u>Literature Section</u> L: ലക്ഷണസാന്ത്വനം (പദ്യം) L: കടൽത്തീരത്ത് (ഗദ്യം)</p>

	<p>L: പ്രിയദർശനം (പദ്യം) L: യുദ്ധത്തിന്റെ പരിണാമം (ഗദ്യം) ഉപപാഠപുസ്തകം : ചട്ടമ്പിസ്വാമികൾ (1 - 4) Grammar Section അർഥം , പര്യായം , വിപരീതം , എതിർലിംഗം , നാനാർത്ഥം , വിഗ്രഹിക്കുക , പിരിച്ചെഴുതുക , അർത്ഥവ്യത്യാസം , പദശുദ്ധി അംഗവാക്യം , അംഗിവാക്യം , വിധി-നിഷേധവാക്യങ്ങൾ , പ്രയോഗം , വാക്യശുദ്ധി , വാക്യത്തിൽ പ്രയോഗിക്കുക</p>
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