



**Bharatiya Vidya
Bhavan's**

S. RAMAKRISHNAN MEMORIAL PUBLIC SCHOOL

AKAMALA



SYLLABUS BOOK

2024-25

CLASS X

SUBJECT:- ENGLISH LANGUAGE AND LITERATURE

TEXTBOOK: FIRST FLIGHT [TEXT BOOK]

FOOTPRINTS WITHOUT FEET [SUPPL. READER]

EXAM I		
EXAM/MONTH	TOPIC	LEARNING OUTCOME
PERIODIC ASSESSMENT - I <u>SYLLABUS OF PA- I</u> First Flight: Unit 1, 2 & 3 Footprints Without Feet: Unit 1, 2 & 3	FIRST FLIGHT: 1. A LETTER TO GOD	Identifies the importance of faith. Comprehends to write diary in simple English.
	DUST OF SNOW [POEM]	Writes their feelings in the form of short poems. Speaks confidently.
	FIRE AND ICE [POEM]	Identifies and appreciates significant literary elements - metaphor, imagery, symbol, simile, intention / point of view, rhyme scheme, etc
	2. NELSON MANDELA: LONG WALK TO FREEDOM	Identifies the importance of freedom and its value.
	A TIGER IN THE ZOO [POEM]	Differentiates the dangers of deforestation and blessings of forestation.
	3. TWO STORIES ABOUT FLYING I – HIS FIRST FLIGHT II – BLACK AEROPLANE	Writes the story with appropriate fluency and language. Narrates in fluent language. Writes paragraphs, narratives, etc. by planning revising, editing, rewriting and finalizing.
	HOW TO TELL WILD ANIMALS [POEM]	Identifies the features of wild animals.

	THE BALL POEM [POEM]	Sensitizes them to cope with the problems of life especially the knowledge of loss.
	FOOTPRINTS WITHOUT FEET: 1. A TRIUMPH OF SURGERY 2. THE THIEF’S STORY 3. THE MIDNIGHT VISITOR	Sensitize the learner not to spoil anyone by giving too much things. Values the importance of education Reads detective stories and related information about secret agents.
EXAM II		
PERIODIC ASSESSMENT – II <u>SYLLABUS OF PA- II</u> First Flight: Exam I + Unit 4 & 7 Footprints Without Feet: Exam I + Unit 4, 5 & 6	FIRST FLIGHT: 4. FROM THE DIARY OF ANNE FRANK AMANDA [POEM] 7. GLIMPSES OF INDIA I – A BAKER FROM GOA II – COORG III – TEA FROM ASSAM THE TREES [POEM]	Writes diary in simple language. Collects the holocaust victims’ details. Identifies the importance of individual opinions especially in child’s view point. Identifies the details and writes appropriately. Identifies the importance of culture and history related to the places given. Speaks /writes on variety of themes in order to demonstrate command over language. Learns to communicate through letters.
	FOOTPRINTS WITHOUT FEET: 4. A QUESTION OF TRUST 5. FOOTPRINTS WITHOUT FEET 6. THE MAKING OF A SCIENTIST	Sensitizes the learner not to trust anyone without finding out the person. Discriminates the good from the evil. Sensitizes the learner with perseverance, dedication, and hard work.

EXAM III		
<p>PERIODIC ASSESSMENT – III</p> <p><u>SYLLABUS OF PA- III</u></p> <p>First Flight: Exam I + Exam II + Unit 8, 9 & 10</p> <p>Footprints Without Feet: Exam I + Exam II + Unit 7 & 9</p>	<p>FIRST FLIGHT:</p> <p>8. MIJBIL THE OTTER</p> <p>FOG [POEM]</p> <p>9. MADAM RIDES THE BUS</p> <p>THE TALE OF CUSTARD THE DRAGON [POEM]</p>	<p>Develops the skill of writing in descriptive form.</p> <p>Identifies the poetic devices used in the poem.</p> <p>Read a variety of texts- Eg adventurous stories.</p> <p>Speaks /writes on variety of themes in order to demonstrate command over language, reading and research skills, and critical thinking skills.</p> <p>Sensitize the students to the fact that death is the ultimate truth in the world.</p> <p>Identifies and appreciates significant literary elements - metaphor, imagery, symbol, simile, intention / point of view, rhyme scheme, etc</p>
	<p>FOR ANNE GREGORY [POEM]</p>	<p>Identifies and appreciates significant literary elements - metaphor, imagery, symbol, simile, intention / point of view, rhyme scheme, etc</p>
	<p>FOOTPRINTS WITHOUT FEET:</p> <p>7. THE NECKLACE</p> <p>9. BHOLI</p>	<p>Sensitize the value - satisfaction is the key to happiness.</p> <p>Identifies dowry is a social abuse and any disabled should not be made fun of etc.</p>
EXAM IV		
<p>Model Examination I (100% Syllabus)</p> <p>Model Examination II (100% Syllabus)</p> <p>100% Syllabus will be there for Board Exam</p>	<p>FIRST FLIGHT:</p> <p>11. THE PROPOSAL</p>	<p>Writes scripts and participates in role play, skit, street plays, child labour and promotion of literacy etc</p>
	<p>FOOTPRINTS WITHOUT FEET:</p> <p>10. THE BOOK THAT SAVED THE EARTH</p>	<p>Identifies the value half-fed knowledge is always dangerous.</p>

HINDI

TEXTBOOK: NCERT - स्पर्श, संचयन, आधुनिक हिंदी व्याकरण तथा रचना

EXAM/MONTH	CHAPTERS/TOPIC	LEARNING OUTCOME
<p>PERIODIC ASSESSMENT -I</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT -I</u></p> <p>ABOVE MENTIONED ALL CHAPTERS AND GRAMMAR</p>	<p>स्पर्श [POEM]</p> <p>1. साखी (कबीर)</p> <p>2. पद (मीरा)</p> <p>स्पर्श [PROSE]</p> <p>1. बड़े भाई साहब</p> <p>2. डायरी का एक पन्ना</p> <p>संचयन</p> <p>1. हरिहर काका</p> <p>व्याकरण</p> <p>पदबंध</p> <p>रचना के आधार पर वाक्य रूपांतरण</p> <p>मुहावरे</p>	<p>1. छात्र साखी के माध्यम से मनुष्य के प्रति प्रेम, ईश्वर के प्रति भक्ति, वाणी में मिठास, अन्य तात्विक ज्ञान आदि को समझेंगे।</p> <p>2. भाषा साहित्य की बारीकियों पर चर्चा करते हैं।</p> <p>1. विविध साहित्यिक विधाओं को पढ़ते हुए व्याकरणिक संरचना पर चर्चा करते हैं।</p> <p>2. विविध साहित्यिक विधाओं के अंतर को समझते हुए उनके स्वरूप का विश्लेषण करते हैं।</p> <p>1. कहानी के माध्यम से वयोवृद्ध के प्रति कर्तव्य तथा समाज में रिश्तों की अहमियत बताना।</p> <p>छात्रों को संज्ञा, सर्वनाम, क्रिया, विशेषण और क्रिया विशेषण का पर्याप्त अध्ययन करना चाहिए ताकि आसानी से पदबंध उनके समझ में आ जाए। छात्रों को वाक्य का रूपांतरण करने से पहले वाक्य के भेदों को समझने का प्रयास करना चाहिए जिससे वे स्पष्ट व उचित रूप से वाक्य का रूपांतर कर सकें। छात्रों को अधिक से अधिक मुहावरों का ज्ञान प्राप्त करना चाहिए।</p>

<p>PERIODIC ASSESSMENT -II</p>	<p>स्पर्श [POEM]</p> <p>3. मनुष्यता</p> <p>4. पर्वत प्रदेश में पावस</p> <p>स्पर्श [PROSE]</p> <p>3. ततारा वामीरो कथा</p> <p>4. तीसरी कसम के शिल्पकार शैलेंद्र</p> <p>संचयन</p> <p>2. सपनों के से दिन</p> <p>व्याकरण</p> <p>समास</p> <p>अनुच्छेद लेखन</p> <p>औपचारिक पत्र</p>	<p>3.आँखों से न देख सकने वाले साथी की बात को समझकर अपने शब्दों में बताते हैं।</p> <p>4.वर्षा ऋतु में पर्वतीय प्रदेश के सौन्दर्य और प्रतिफल परिवर्तित होते वातावरण को आत्मासात करने में सक्षम होंगे।</p> <p>3.परिवेशगत भाषा प्रयोगों पर सवाल करते हैं।</p> <p>4.सहयोग की भावना का विकास करते हुए विद्यार्थियों में शुद्ध उच्चारण के साथ पठन क्षमता का विकास।</p> <p>2.ग्रामीण बच्चों की मानसिक दशा से अवगत कराना।</p> <p>छात्रों को समास के सभी भेदों का पर्याप्त अध्ययन करना चाहिए। अनुच्छेद लिखने के बाद छात्र को अनुच्छेद दोबारा पढ़ना चाहिए जिससे वर्तनीय तथा भाषागत त्रुटियों को दूर किया जा सके। छात्रों को पत्र के विषय को गहराई से समझकर पत्र लिखने का अभ्यास निरंतर करना चाहिए।</p>
<p><u>SYLLABUS OF PERIODIC ASSESSMENT -II</u> PA I + ABOVE MENTIONED ALL CHAPTERS AND GRAMMAR</p>		

<p>PERIODIC ASSESSMENT -III</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT -III</u> PA I + PA II + ABOVE MENTIONED ALL CHAPTERS AND GRAMMAR</p>	<p>स्पर्श [POEM]</p> <p>5. तोप</p> <p>6. कर चले हम फिदा</p> <p>स्पर्श[PROSE]</p> <p>5. अब कहाँ दूसरों के दुःख से दुखी होने वाले</p> <p>6. पतझड़ में टूटी पत्तियाँ</p> <p>संचयन</p> <p>3. टोपी शुक्ला</p> <p>व्याकरण</p> <p>विज्ञापन लेखन</p> <p>सूचना लेखन</p>	<p>5. अपने अनुभवों एवं कल्पनाओं को सृजनात्मक ढंग से लिखते हैं।</p> <p>6. कविता या कहानी की पुनः रचना कर पाते हैं।</p> <p>5. प्राकृतिक एवं सामाजिक मुद्दों, घटनाओं के प्रति अपनी प्रतिक्रिया को बोलकर/लिखकर व्यक्त करते हैं।</p> <p>6. अपने परिवेश को बेहतर बनाने की कोशिश में सृजनात्मक लेखन करते हैं।</p> <p>3. धार्मिक संकीर्णता की समाप्ति, असफलता मज़ाक का विषय नहीं।</p> <p>छात्रों का विज्ञापन लिखते समय विषय को भली-भाँति समझार अपनी कल्पना शक्ति का प्रयोग करना चाहिए।</p> <p>सूचना में केवल निर्देशानुसार जानकारी ही देनी चाहिए, अनावश्यक बातों को नहीं लिखना चाहिए।</p>
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CLASS -X**SANSKRIT****TEXT BOOK- NCERT SEMUSHI PART II**

EXAM/MONTH	TOPIC	LEARNING OUTCOME
PERIODIC ASSESSMENT- I	1.शुचिपर्यावरणम्	<ul style="list-style-type: none">● प्रकृतिवर्णना अवगच्छन्ति ● श्लोकार्थस्य अवगमनं करोति ● भाषणलेखनकौशलम्
	2.बुद्धिर्बलवती सदा	<ul style="list-style-type: none">● अनुवादक्षमता वृद्धिः ● कथालेखनस्य अभ्यासः करोति ● छात्राः स्वभाषया कथां प्रस्तोष्यन्ति
SYLLABUS OF PERIODIC ASSESSMENT- I	Lesson 1 &2 व्याकरणम् – सन्धि ,प्रत्ययाः चित्रवर्णनम्	
PERIODIC ASSESSMENT-II	4 .शिशुलालनं	<ul style="list-style-type: none">● कविविषये ज्ञानं आप्नोति ● पौराणिक कार्याणि व्यवहारं करोति ● नाट्यस्य अवतरणं करोति
	5.जननी तुल्यवत्सला	<ul style="list-style-type: none">● पौराणिककथानां जीवने उपादेयता ● मातुः हृदयस्य परिचयः● सर्वान् प्रति सम्मानं
	6. सुभाषितानि	<ul style="list-style-type: none">● नैतिकमूल्यानि जीवने अङ्गीकुर्वन्ति ● पद्यवाबोधे समर्थाः भवन्ति
	PERIODIC ASSESSMENT-I +4,5&6 व्याकरणम् – समासाः ,समयः ,पत्रलेखनं	
PERIODIC ASSESSMENT-III	7. सुहार्द प्रकृतेः शोभा	<ul style="list-style-type: none">● नाट्यस्य अवतरणं करोति ● सामाजिक विषये इतोऽपि अवगच्छन्ति● संवादः करोति

		<ul style="list-style-type: none"> ● प्रकृते महत्वं प्रति अनुच्छेद लेखनं
	8.सूक्तयः	<ul style="list-style-type: none"> ● नैतिकमूल्यानि जीवने अङ्गीकुर्वन्ति ● पद्यवाबोधे समर्थाः भवन्ति ● अन्वयस्य विवरणम्
SYLLABUS FOR PERIODIC ASSESSMENT-III	Lesson 7 &8 व्याकरणम्- वाच्यम् , अनुवादः , अनुच्छेदलेखनं	
ANNUAL EXAM	11.विचित्रः साक्षी	<ul style="list-style-type: none"> ● कथाप्रस्तुतिकरणं ● न्यायविषये संवादं करोति ● कथाकौशललेखनं
	12.अन्योक्तयः	<ul style="list-style-type: none"> ● नैतिकमूल्यानि जीवने अङ्गीकुर्वन्ति ● पद्यवाबोधे समर्थाः भवन्ति ● अन्वयस्य विवरणम्
SYLLABUS OF ANNUAL EXAM	PERIODIC ASSESSMENT-I ,II ,III +11 &12 व्याकरणम्- पूर्णं	

SUBJECT :മലയാളം

കേരളപാഠാവലി, അടിസ്ഥാനപാഠാവലി

ഉപപാഠ പുസ്തകം (ചട്ടമ്പിസ്വാമികൾ)

EXAM/MONTH	TOPIC	LEARNING OUTCOME
<p>EXAM-I കേരള പാഠാവലി</p> <p align="center">PERIODIC ASSESSMENT -I SYLLABUS</p> <p>കേരള പാഠാവലി:1,2 പാഠങ്ങൾ ഉപപാഠ പുസ്തകം :1,2 പാഠങ്ങൾ വ്യാകരണം</p>	<p>1.ലക്ഷ്യസ്വഭാവം</p> <p>2. കടൽത്തീരത്ത്</p> <p>വ്യാകരണം അംഗ അംഗീ വാക്യങ്ങൾ</p> <p>ചട്ടമ്പിസ്വാമികൾ 1,2 പാഠങ്ങൾ</p>	<p>ലോക ജീവിതം അസ്ഥിരവും, നശ്യമാണെന്ന തിരിച്ചറിവുണ്ടാകുന്നു. ആശയം, ചമത്കാര ഭംഗി എന്നിവ അവതരിപ്പിക്കാൻ സാധിക്കുന്നു</p> <p>പൊതിച്ചോറ് ബലിച്ചോരായി മാറുന്നതെങ്ങനെയെന്ന് മനസിലാക്കുന്നു. ജീവിതത്തിന്റെ ദൈന്യത ജീവിത പ്രയാണത്തിന്റെ വേഗത കുറയ്ക്കുന്നു എന്ന തിരിച്ചറിവുണ്ടാകുന്നു.</p>
<p>EXAM-II കേരള പാഠാവലി</p>	<p>3. പ്രിയദർശനം</p> <p>4. യുദ്ധത്തിന്റെ പരിണാമം</p> <p>വ്യാകരണം പ്രയോഗം</p> <p>ചട്ടമ്പിസ്വാമികൾ 3,4 പാഠങ്ങൾ</p>	<p>സ്നേഹത്തിന്റെ മഹത്വവും വ്യാപ്തിയും തിരിച്ചറിയുന്നു.</p> <p>മനുഷ്യ ചരിത്രത്തിൽ യുദ്ധം വരുത്തി വയ്ക്കുന്ന ഭീകരത വർണ്ണിക്കാനാണ് വ്യാസൻ ഭാരതേതിഹാസം രചിച്ചത് എന്ന അറിവു നേടുന്നു</p>

<p>PERIODIC ASSESSMENT -II SYLLABUS EXAM I + കേരള പാഠാവലി:3,4 പാഠങ്ങൾ ഉപപാഠ പുസ്തകം :1-4 പാഠങ്ങൾ വ്യാകരണം</p>		
<p>EXAM -III അടിസ്ഥാന പാഠാവലി</p> <p>PERIODIC ASSESSMENT -III SYLLABUS EXAM I +EXAM II കേരള പാഠാവലി:5,6 പാഠങ്ങൾ ഉപപാഠ പുസ്തകം : 1-7 പാഠങ്ങൾ വ്യാകരണം</p>	<p>5. അമ്മത്തൊട്ടിൽ</p> <p>6. പണയം</p> <p>വ്യാകരണം വാക്യത്തിൽ തെറ്റുണ്ടെങ്കിൽ തിരുത്തുക, വിധി നിഷേധ വാക്യങ്ങൾ</p> <p>ചട്ടമ്പിസ്വാമികൾ 5,6,7 പാഠങ്ങൾ</p>	<p>പിള്ളത്തൊട്ടിലും, അമ്മത്തൊട്ടിലും പരിഷ്കൃത സമൂഹത്തിന് അപമാനമാണെന്ന് തിരിച്ചറിയുന്നു.</p> <p>മാധ്യമങ്ങൾക്ക് ജീവിതത്തിൽ വരുത്താനാവുന്ന സ്വാധീനത്തെക്കുറിച്ച് തിരിച്ചറിയുന്നു</p>
<p>EXAM -IV അടിസ്ഥാന പാഠാവലി</p>	<p>7. ഓണമുറ്റത്ത്</p> <p>വ്യാകരണം വാക്യത്തിൽ പ്രയോഗിക്കുക</p> <p>ചട്ടമ്പിസ്വാമികൾ 8,9 പാഠങ്ങൾ</p>	<p>ഓണം ഒരുമയുടെയും, സമഭാവനയുടെയും സന്ദേശമാണ് പങ്കുവെയ്ക്കുന്നത് എന്ന് തിരിച്ചറിയുന്നു</p>

MODEL EXAMINATION -I (100% SYLLABUS) MODEL EXAMINATION -II (100% SYLLABUS) 100 % SYLLABUS WILL BE THERE FOR BOARD EXAM		
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SUBJECT :- MATHEMATICS**TEXTBOOK: NCERT -**

EXAM/MONTH	CHAPTERS/TOPIC	LEARNING OUTCOME
<p>PERIODIC ASSESSMENT -I</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT -I</u></p> <p>CHAPTERS – 1,2,3 and 4</p>	<p>CH 1 REALNUMBERS</p> <p>CH. 2 POLYNOMIALS</p> <p>CH. 3 PAIRS OF LINEAR EQUATIONS IN TWO VARIABLES</p> <p>CH. 4 QUADRATIC EQUATIONS</p>	<p>Generalizes properties of numbers and relations among them studied earlier, to evolve results, such as, fundamental theorem of arithmetic in order to apply them to solve problems related to real life contexts</p> <p>Uses algebraic and graphical method of finding zeroes of a polynomial in order to establish a relationship b between them.</p> <p>Uses graphical and other methods in order to finds solutions of pairs of linear equations in two variables.</p> <p>Demonstrates knowledge of application of various strategies in order to find roots and determine the nature of roots of a given equation</p>
<p>PERIODIC ASSESSMENT -II</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT -II</u></p> <p>CHAPTERS – 1,2,3,4,5,6,8 and 9</p>	<p>CH. 5 ARITHMETIC PROGRESSION</p> <p>CH. 8 INTRODUCTION TO TRIGONOMETRY</p> <p>CH. 6 TRIANGLES</p> <p>CH.9 SOME APPLICATIONS OF TRIGONOMETRY</p>	<p>Develops strategies in order to apply the concept of AP to daily life situations</p> <p>Student determines all trigonometric ratios with respect to a given acute angle of a right triangle.</p> <p>Uses different geometric criteria established earlier such as basic proportionality theorem etc. in order to establish properties for similarity of two triangles</p> <p>Determines all trigonometric ratios with respect to a given acute angle (of a right triangle) in order to use them in solving problems in daily life contexts like finding heights of different structures or distances from them</p>

<p>PERIODIC ASSESSMENT -III</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT -III</u> CHAPTERS – 1,2,3,4,5,6,7,8,9,10 , 12 and 14</p>	<p>CH. 7 COORDINATE GEOMETRY</p> <p>CH. 10 CIRCLES</p> <p>CH. 12 AREAS RELATED TO CIRCLES</p> <p>CH. 14 STATISTICS</p>	<p>Derives formulae to establish relations for geometrical shapes in the context of a coordinate plane, such as finding the distance between two given points, in order to determine coordinates of a point between any two given points, to find area of a triangle etc</p> <p>The student understand about tangent and it's properties.</p> <p>Calculate the area of sector and segment and various combinations of plane figures in order to apply the concepts of circles, quadrilaterals and triangle.</p> <p>The student calculates mean, median and mode for different sets of data related with real life contexts.</p>
<p>ANNUAL EXAM</p> <p><u>SYLLABUS OF ANNUAL EXAM</u> CHAPTERS – 1,2,3,4,5,6,7,8,9,10, 12,13,14 and 15</p>	<p>CH. 13 SURFACE AREA AND VOLUME</p> <p>CH. 15 PROBABILITY</p>	<p>The student visualizes objects in surrounding as a combination of different solids like cylinder and a cone, cylinder and a hemisphere, combination of different cubes, etc.in order to find their surface areas and volume</p> <p>Calculates in order to determine the probability of a given even</p>

SUBJECT :- SCIENCE

TEXTBOOK: NCERT - SCIENCE TEXTBOOK FOR CLASS X

EXAM/MONTH	CHAPTERS/TOPIC	LEARNING OUTCOME
<p>PERIODIC ASSESSMENT -I</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT -I</u> CHAPTERS -1,5,9</p>	<p>5. LIFE PROCESSES Nutrition, Respiration Transportation Excretion</p> <p>1.CHEMICAL REACTIONS & EQUATIONS Types of chemical reactions</p> <p>9.LIGHT- REFLECTION AND REFRACTION Reflection of light through spherical mirrors. Refraction through spherical lenses, power of a lens</p>	<p>Explains processes, such as nutrition in human beings and plants, respiration in human beings and plants transportation in human beings and plants, excretion in plants and animals Draws labelled diagrams of digestive, respiratory, circulatory and excretory systems</p> <p>Differentiates between various types of reactions. Uses scientific conventions to represent units of various quantities / symbols / formulae / equations, such as balanced chemical equation by using symbols and physical states of substances. Calculates using the data given, such as number of atoms in reactants and products to balance a chemical equation.</p> <p>Plans and conducts investigations / experiments to arrive at and verify the facts, principles, phenomena or to seek answers to laws of reflection and refraction of light Constructs ray diagrams to represent the path of incident & reflected light rays from a spherical mirrors and lenses in order decipher the position and nature of image formed.</p>

<p>PERIODIC ASSESSMENT -II</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT -II</u></p> <p>CHAPTERS - 1,2, 3,5,6,7,9,10</p>	<p>6. CONTROL AND COORDINATION</p> <p>Nervous system Endocrine system Plant movements Plant hormones</p> <p>7. HOW DO ORGANISMS REPRODUCE?</p> <p>Asexual reproduction Sexual reproduction</p> <p>2. ACIDS. BASES AND SALTS</p> <p>General properties, examples and uses, neutralization, concept of pH scale, importance of pH, preparation and uses of some salts.</p> <p>3. METALS AND NONMETALS</p> <p>Properties of metals and non-metals; Reactivity series</p> <p>10.HUMAN EYE AND COLOURFUL WORLD-Working of human eye, common defects of vision. Atmospheric refraction</p>	<p>Illustrate the location and functions of different parts of human brain, in order to understand working of human brain Relates processes and phenomena with causes / effects, such as hormones with their functions</p> <p>Examine tropic movements in plants, in order to understand how plants respond to environmental triggers like light, gravity, water Draws labelled diagrams of human reproductive systems Applies scientific concepts in daily life and solving problems, such as uses vegetative propagation to develop saplings in gardening</p> <p>Differentiates materials strong and weak acids and bases, acidic, basic and neutral salts. Classifies acids and bases on the basis of their chemical properties</p> <p>Classifies materials such as metals and non-metals on the basis of their physical and chemical properties.</p> <p>Describe the structure of an eye and functions of various parts that help humans to see. Provide scientific explanation for twinkling of stars, advanced sunrise and delayed sunset</p>
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<p>PERIODIC ASSESSMENT -III</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT -III</u></p> <p>CHAPTERS - 1,2,3,4(half part)5,6,7,8,9,10,11,13</p>	<p>8. HEREDITY Heredity and variation. Mendel's experiments Sex determination</p> <p>13. OUR ENVIRONMENT Ecosystem Food chain and food web.</p> <p>4. CARBON AND ITS COMPOUNDS Versatile nature of carbon. Homologous series. Nomenclature of carbon compounds</p> <p>11.ELECTRICITY- Ohm's Law, Resistor combination -series and parallel. Heating effect, electric power</p>	<p>Draws conclusion, such as traits / features are inherited through genes present on chromosomes</p> <p>Takes initiative to know about scientific discoveries / inventions, such as Mendel's contribution in understanding the concept of Inheritance. Makes efforts to conserve environment realizing the inter-dependency and interrelationship in the biotic and abiotic factors of environment</p> <p>Plans and conducts investigations / experiments to arrive at and verify the facts, principles, phenomena or to seek answers to queries on their own.</p> <p>Plots a graph between voltage and current, to prove ohm's law & find Resistance</p> <p>Explains and calculate the heating effect of electric current, to learn working of appliances like heater, iron and fuse</p>
<p>ANNUAL EXAM</p> <p><u>SYLLABUS OF ANNUAL EXAM</u></p> <p>CHAPTERS – 1 to 13</p> <p>Model Examination -1 (100% syllabus)</p> <p>Model Examination -2 (100% syllabus)</p> <p>Board Examination (100% syllabus)</p>	<p>SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES (Portfolio)</p> <p>4. CARBON AND ITS COMPOUNDS Chemical properties of carbon compounds</p> <p>12.MAGNETIC EFFECTS OF ELECTRIC CURRENT. Magnetic pattern around a bar magnet and current carrying conductors, force on a current carrying conductor, Domestic electric circuits</p>	<p>Takes steps to promote sustainable management of resources in day to day life, , uses energy efficient electric devices, uses fossil fuels judiciously, etc.</p> <p>Explains the chemical properties of ethanol & ethanoic acid</p> <p>Draws magnetic field lines for at current carrying circular loop, in order to identify the magnetic field strength at different points around it</p> <p>Analyse the significance of neutral, earth and live wire, to understand formation of a domestic electrical circuit.</p>

SUBJECT :- SOCIAL SCIENCE

TEXTBOOK: NCERT

EXAM/MONTH	TOPIC	LEARNING OUTCOME
<p>PERIODIC ASSESSMENT– I</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT – I</u></p> <p>HISTORY: CHAPTER 1 & 4</p> <p>GEOGRAPHY: CHAPTER 1 & 2</p> <p>POLITICS: CHAPTER 1, & 2</p> <p>ECONOMICS: CHAPTER 1 & 2</p>	<p>HISTORY :</p> <p>1.THE RISE OF NATIONALISM IN EUROPE</p> <p>4. THE AGE OF INDUSTRIALISATION</p> <p>GEOGRAPHY :</p> <p>1. RESOURCES AND DEVELOPMENT</p> <p>2. FOREST AND WILDLIFE</p> <p>POLITICAL SCIENCE:</p> <p>1.POWER SHARING</p> <p>2. FEDERALISM</p> <p>ECONOMICS:</p> <p>1. DEVELOPMENT</p> <p>2. SECTORS OF INDIAN ECONOMY</p>	<p>HISTORY:</p> <p>1. Examines given information, in order to analyze and evaluate it.</p> <p>4. Describes the growth of factories and the making of new labour force.</p> <p>GEOGRAPHY:</p> <p>1. Recognizes the value of resources and the need for their judicious utilization and conservation.</p> <p>2. Examines phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p> <p>POLITICAL SCIENCE:</p> <p>1. Analyses the importance of power sharing in democracy.</p> <p>2. Examines and evaluates events, facts, data and figures in order to classify and compare them.</p> <p>ECONOMICS:</p> <p>1. Examines and evaluates collected/ given information in order to construct views/ arguments/ ideas on its basis.</p> <p>2. Extrapolates in order to predicts events and phenomena</p>

<p>PERIODIC ASSESSMENT II</p> <p><u>SYLLABUS OF PERIODIC ASSESSMENT II</u></p> <p>HISTORY: PA 1 + CHAPTER 2 & 3</p> <p>GEOGRAPHY : PA 1 + CHAPTER 3, 4 & 5</p> <p>POLITICS : PA 1 + CHAPTER 4</p> <p>ECONOMICS: PA 1 + CHAPTER 3 & 4</p>	<p>HISTORY: 2. NATIONALISM IN INDIA</p> <p>3. THE MAKING OF A GLOBAL WORLD</p> <p>GEOGRAPHY: 4. AGRICULTURE</p> <p>5. MINERALS AND ENERGY RESOURCES</p> <p>3. WATER RESOURCES</p> <p>POLITICAL SCIENCE: 4. GENDER RELIGION AND CASTE</p> <p>ECONOMICS: 3. MONEY AND CREDIT</p> <p>4. GLOBALISATION AND THE INDIAN ECONOMY</p>	<p>HISTORY: 2. Examines and evaluates events, facts, data and figures in order to classify and compare them.</p> <p>3. Examines phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p> <p>GEOGRAPHY: 4. Examines phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p> <p>5. Classifies/ distinguishes in order to demonstrate skills of recognizing and retrieving facts, figures and narrating processes.</p> <p>3. Analyzes sources, distribution, multipurpose projects on water resources.</p> <p>POLITICAL SCIENCE: 4. Examines and evaluates the given known or unknown given texts/ political analysis etc. in order to identify assumptions/ prejudice/ stereotype.</p> <p>ECONOMICS: 3. Examines and evaluates collected/ given information in order to construct views/ arguments/ ideas on its basis.</p> <p>4. Examines and evaluates collected/ given information in order to construct views/ arguments/ ideas on its basis.</p>
<p>PERIODIC ASSESSMENT - III</p>	<p>HISTORY: 5. PRINT, CULTURE AND THE MODERN WORLD</p>	<p>HISTORY: 5. Examines phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p>

<p><u>SYLLABUS OF PERIODIC ASSESSMENT – III</u></p> <p>HISTORY: PA 1 + PA 2 + CHAPTER 5</p> <p>GEOGRAPHY : PA 1 + PA 2 + CHAPTER 6</p> <p>POLITICS: PA 1 + PA 2 + CHAPTER 6 & 7</p> <p>ECONOMICS: PA 1 + PA 2</p>	<p>GEOGRAPHY: 6. MANUFACTURING INDUSTRIES</p> <p>POLITICAL SCIENCE:</p> <p>6. POLITICAL PARTIES</p> <p>7. OUTCOMES OF DEMOCRACY</p> <p>ECONOMICS: 5. CONSUMER RIGHTS (PROJECT WORK)</p>	<p>GEOGRAPHY: 6. Examines and evaluates given text/ visual, both known and unknown, such as maps/ symbols/ bar diagram etc</p> <p>POLITICAL SCIENCE:</p> <p>6. Examines given information, in order to analyze and evaluate it.</p> <p>7. Examines phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p> <p>ECONOMICS: 5. Evaluates and presents the best options with reasoning in order to illustrate decision making/ problem solving skills</p>
<p>ANNUAL EXAMINATION</p>	<p>GEOGRAPHY: 7. LIFELINES OF NATIONAL ECONOMY</p> <p>MODEL EXAMINATION – I – (100% SYLLABUS)</p> <p>MODEL EXAMINATION – II – (100% SYLLABUS)</p> <p>100% SYLLABUS WILL BE THERE FOR BOARD EXAM</p>	<p>GEOGRAPHY: 7. Enhances the creativity by writing the views on the importance of transport and communication in India and their contribution in the economy.</p>

SUBJECT :-ARTIFICIAL INTELLIGENCE**TEXTBOOK-ARTIFICIAL INTELLIGENCE BY KARTIK SHARMA**

EXAM/MONTH	TOPIC	LEARNING OUTCOME
PERIODIC ASSESMENT - I SYLLABUS OF PERIODIC ASSESMENT - I PART A: CHAPTER 1 &2 PART B:CHAPTER 1	PART – A : 1. COMMUNICATION SKILL 2. SELF MANAGEMENT SKILL PART – B : 1. INTRODUCION TO ARTIFICIAL INTELLIGENCE 3.ADVANCE PYTHON (FOR PRACTICALS ONLY)	Describes the importance of communication skill in daily life. Explains how to improve self-management skills to become successful. Explains the importance of one emerging trend. Develops programming skills.
PERIODIC ASSESMENT - II SYLLABUS OF PERIODIC ASSESMENT - II ABOVE MENTIONED ALL CHAPTERS	PART – B : 2. ARTIFICIAL INTELLIGENCE PROJECT CYCLE 4.DATA SCIENCE Introduction, Applications of Data Sciences, Data Science: Getting Started (up to Data Access)	Analyse the important steps of AI project cycle. Understand the stages involved in the AI project cycle, such as problem scoping, data collection, data exploration, modeling, evaluation. Define the concept of Data Science and understand its applications in various fields. Identifies problem solving skills.
PERIODIC ASSESMENT - III	PART – A : 3. BASIC ICT SKILL 4.ENTREPRENEURIAL SKILLS PART – B : 5.COMPUTER VISION (Introduction, Applications of Computer Vision, Computer Vision: Getting Started (up to RGB Images),	Explains the importance of technology in daily life. Identifies the importance of Entrepreneurship in life. Define the concept of Computer Vision and understand its applications in various fields.

<p>SYLLABUS OF PERIODIC ASSESMENT - III ABOVE MENTIONED ALL CHAPTERS</p>	<p>6.NATURAL LANGUAGE PROCESSING</p>	<p>Gain an understanding of the challenges involved in understanding human language by machine.</p>
<p>ANNUAL EXAMINATION</p> <p>MODEL EXAMINATION I 100%SYLLABUS</p> <p>MODEL EXAMINATION II 100%SYLLABUS</p> <p>100 % SYLLABUS WILL BE THERE FOR BOARD EXAM</p>	<p>PART – A :5. GREEN SKILLS</p> <p>PART – B : 7.EVALUATION</p>	<p>Explains the reasons to preserve our environment.</p> <p>Learn various Model Evaluation Terminologies Learn to make a confusion matrix for given Scenario Learn about the different types of evaluation techniques in AI, such as Accuracy, Precision, Recall and F1 Score, and their significance.</p> <p>Evaluates the working of an AI project.</p>

SUBJECT :-INFORMATION TECHNOLOGY

TEXTBOOK-CBSE STUDY MATERIAL

EXAM/MONTH	TOPIC	LEARNING OUTCOME
<p>PERIODIC ASSESMENT - I</p> <p>SYLLABUS OF PERIODIC ASSESMENT - I</p> <p>PART A: CHAPTER 2</p> <p>PART B: CHAPTER 1</p>	<p><u>PART – A :</u> 2. SELF MANAGEMENT SKILL .</p> <p><u>PART – B :</u> 1. DIGITAL DOCUMENTATION</p>	<p>Explains how to improve self-management skills to become successful in life. Identifies different stress management methods.</p> <p>Able to identify the difference between Styles and templates. Identifies different Style categories in Writer. Identifies the methods to Insert an image to document from various sources.</p>
<p>PERIODIC ASSESMENT - II</p> <p>SYLLABUS OF PERIODIC ASSESMENT – II.</p> <p>PART A-2,4,5</p> <p>Part B:-1,4</p>	<p><u>PART – B :</u> 4. WEB APPLICATIONS AND SECURITY</p> <p><u>PART -A</u> 4.ENTREPRENEURIAL SKILLS</p> <p>5. GREEN SKILLS</p>	<p>Identifies the Basic safety rules to follow at workplace – Fire safety, Falls and slips, Electrical safety, Use of first aid. identify the problems at workplace that could cause accidents,</p> <p>Identifies the importance of Entrepreneurship in life.</p> <p>Explains the reasons to preserve our environment</p>
<p>PERIODIC ASSESMENT - III</p> <p>SYLLABUS OF PERIODIC ASSESMENT - III</p> <p>PART A-1,2,3,4,5</p> <p>PART B-1,2,4</p>	<p><u>PART – A :</u> 3. BASIC ICT SKILLS</p> <p>1. COMMUNICATION SKILLS</p> <p><u>PART – B :</u> 2.ELECTRONIC SPREADSHEET</p>	<p>Explains the importance of technology in daily life.</p> <p>Describes the importance of communication skill in daily life.</p> <p>Able to use Goal seek, Subtotal, solver and scenarios in LibreOffice Calc. and identifies the steps involved in consolidation of data.</p>

<p>ANNUAL EXAMINATION</p> <p>MODEL EXAMINATION I 100%SYLLABUS</p> <p>MODEL EXAMINATION II 100%SYLLABUS</p> <p>100 % SYLLABUS WILL BE THERE FOR BOARD EXAMINATION</p>	<p><u>PART – B</u> 3.DATABASE MANAGEMENT SYSTEM</p>	<p>Identifies data and information, field and record, table in the database, Identifies the primary key, composite primary key, foreign key. Able to Perform calculations using query in Base.</p>
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SUBJECT :-ART AND CRAFT

EXAM/MONTH	TOPIC	LEARNING OUTCOME
JUNE TO AUGUST	ACTIVITIES : COMPOSITIONS AND STUDIES (OBJECT, NATURE ,FIGURE) 1 FEET NETTIPPATTAM MAKING (CRAFT)	IMPROVES ADVANCED LEARNINGS OF DRAWING, SHADING
SEPTEMBER TO DECEMBER	ACTIVITIES : MEMORY AND FREE HAND DRAWING	IMPROVES CREATIVITY AND USAGE OF DIFFERENT MEDIUMS AND TEXTURES

SUBJECT :-PHYSICAL EDUCATION

EXAM/MONTH	TOPIC	LEARNING OUTCOME
JUNE	March Past Rules and Regulation of Chess	1.Improve co-ordination 2.Understanding Chess Regulation
JULY	Khelo India Physical Fitness Test, Rules and Regulations of Kabaddi	1.Increase Speed and Agility 2.Understanding Rules and Regulation Of Kabaddi
AUGUST	Khelo India Physical Fitness Test And Rules of kho kho	1.Increase Muscular Strength and Co-ordination 2.Understanding kho kho Rules
SEPTEMBER	Free hand Exercise, Rules of badminton	1.Improve co-ordination 2.To Learn Badminton Rules
OCTOBER	Free hand Exercise , Rules of volley ball	1.Improve Flexibility 2.Understanding Volley ball Rules
NOVEMBER	Major Game of Foot ball	1.Increase Playing Agility of Foot ball
DECEMBER	Khelo India Physical Fitness Test , Rules of Athletics	1.Improve Speed and Agility 2.Understanding Rules of Athletics
JANUARY	Khelo India Physical Fitness Test And Basket ball	1.Improve co-ordination and Flexibility 2.Understanding Basket ball Skills

FEBRUARY	Recreation Games And Carroms	1.Help For stress Management 2.To Learn carroms Rules
MARCH	Recreation Games	1.Improve Leadership skills and stress Management

MUSIC

JUNE	:	PRAYER SONGS
JULY	:	LIGHT MUSIC
AUGUST	:	PATRIOTIC SONGS
SEPTEMBER	:	GROUP SONG
OCTOBER	:	GROUP SONG
NOVEMBER	:	BHAJANS
DECEMBER	:	NOTE SWARAS

DANCE

JUNE	:	BASICS OF DANCE & ENVIRONMENTAL DANCE
JULY	:	THATTADAVU
AUGUST	:	THATTADAVU & MUDRAS
SEPTEMBER	:	NATTADAVU
OCTOBER	:	NATTADAVU
NOVEMBER	:	THIRUVATHIRAKKALI
DECEMBER	:	THIRUVATHIRAKKALI
JANUARY	:	SAMYUKTHA MUDRAS

YOGA

JUNE

SIMPLE EXERCISES

JULY

EKA PADA CHAKRASANA

JANU SIRSASANA

TADASANA

NATARAJASANA

AUGUST

REVISION

SEPTEMBER

TEST

OCTOBER

YOGA COMPETITION SYLLABUS

NOVEMBER

YOGA COMPETITION SYLLABUS

DECEMBER

REVISION

JANUARY

TEST

SATTHWA

JUNE : EXCELLENCE 1.GOAL SETTING

2.MANAGING TIME

JULY : EXCELLENCE 3.DO YOUR BEST

4.COMPETE WITH YOURSELF TO EXCEL

AUGUST : POSITIVE ATTITUDE 1.STRESS MANAGEMENT

2.RESILIENCE

SEPTEMBER : POSITIVE ATTITUDE 3.MOTIVATION

4.LOGICAL THINKING

OCTOBER : ACCOUNTABILITY 1. RESPONSIBILITY

2. ANSWERABILITY

NOVEMBER : ACCOUNTABILITY 3.COMMITMENT

4.TRUSTWORTHINESS

EVALUATION

- ❖ Student will be assessed on four terminal exams conducted in the academic year.
- ❖ Final exam will be of 80 marks covering 100% syllabus. Marks and Grades both will be awarded for individual subjects.
- ❖ 20 marks will be awarded for internal assessment. Assessment will be done under the following areas:-
 - 10 marks → Best two out of first 3 terminal exams
 - 5 marks → Notebooks submission
 - 5 marks → ASL for languages
 - Lab work for Science and Maths
 - Map and Project work for Social Studies

ASSESSMENT CRITERIA

SCHOLASTIC AREAS

(Grading on 8 point scale)

Grade	Marks Range
A1	91-100
A2	81-90
B1	71-80
B2	61-70
C1	51-60
C2	51-50
D	33-40
E (Fail)	32 & Below

CO-SCHOLASTIC AREAS

(Grading on 5 point scale)

Grade	Grade Point
A	4.1-5.0
B	3.1-4.0
C	2.1-3.0
D	1.1-2.0
E	0-1.0

A student must obtain a minimum 33% marks in final examination and internal assessments to get promotion to next class