

SYLLABUS 2019-20

CLASS - 10

Content

Gujarati

Sanskrit

Hindi

Maths

English

Science

S.S

Gujarati-10

Sr.No	Month	Topic	Sub Topic	Activity
૧.	એપ્રિલ	પાઠ-૧ મોરલી પાઠ-૨ શરણાઈના સૂર	-વુંદાવનની રાસલીલાનો પરિચય -લગ્નપ્રસંગનું વર્ણન -પિતૃદેવની વેદના	- કાવ્યગાન - Story telling
૨.	જૂન	પાઠ-૧,૨ પુનરાવર્તન પાઠ-૩ પ્રયાણ વ્યાકરણ - એકમ-૧,૨ પાઠ-૪ જીવન અંજલિ થાજો નિબંધ, અહેવાલ, પત્ર	-ધર્મના નામે દંભ -જૂનવાણી વિચારો -બીજા માટે જીવન સમર્પણ કરવાની ભાવના	- Story telling - કાવ્યગાન
૩.	જુલાઈ	પાઠ-૫ શ્રેતકાંતિના પ્રણેતાઓ પાઠ-૬ સામગ્રી તો સમાજની છે ને ? અહેવાલ, વિચાર-વિસ્તાર, નિબંધ વ્યાકરણ - એકમ - ૩,૪ પાઠ-૭ જીવમાં જીવ આવ્યો	-કાર્યદક્ષતા,સંગઠન,ક્ષમતા સેવાપરાયણતા -વસ્તુનો સાર્થક ઉપયોગ -અન્ય દેશ માટેનો ભ્રામક પૂર્વગ્રહ -વર્ષાના આગમથી સૃષ્ટિને મળતું નવજીવન	-અમૂલકેરી વિશે માહિતી એકત્ર કરી -વિદ્યાર્થીઓ વર્ગમાં તે માહિતી રજૂ કરે. -ભોજનનો બગાડ ન કરવાનો નિયમ વિદ્યાર્થીઓ પાસે લેવડાવવો. -કાવ્યગાન
૪.	ઓગસ્ટ	પાઠ-૮ સૂરજ તો બધે જ સરખો પાઠ-૯ હાથ મેળવીએ વ્યાકરણ- એકમ- ૫, ૬ પાઠ-૧૦ નથી વિચાર-વિસ્તાર, નિબંધ, પત્ર	-માણસોની કુટેવ પર કટાક્ષ -મનુષ્ય સ્વભાવ -સત્તા અને સંપત્તિની તુલનામાં મૈત્રીભાવનું મહત્ત્વ. -માતાનો નિઃસ્વાર્થ પ્રેમ -પુત્રની ઉપેક્ષા અને બેદરકારી	-પ્રવાસથી કયા ગુણોનો વિકાસ થાય તે અંગે વર્ગમાં ચર્ચા. -નિબંધલેખન -નિબંધ લેખન
૫.	સપ્ટે.	પાઠ-૧૧ દીવાનખાનામાં પાઠ-૧૨ ઝબક જ્યોત નિબંધ, અહેવાલ વ્યાકરણ- એકમ - ૧,૨	-માણસની એકલતા -ભૌતિક સુખોની તુલનામાં સંબંધોનું મૂલ્ય ઓછું -પિતા - પુત્ર વચ્ચેનો સંઘર્ષ અને દેશપ્રેમની ભાવના	-કાવ્યગાન -Story telling
૬.	ઓક્ટો	પુનરાવર્તન		
૭.	નવે.	પાઠ-૧૩ ક્યાં રે વાગી પાઠ-૧૪ જેઠીબાઈ નિબંધ, વિચારવિસ્તાર, પત્ર વ્યાકરણ- એકમ - ૩, ૪	-ગોપીનો કૃષ્ણપ્રેમ -ઈશ્વરપ્રાપ્તિની ઘેલછા -પોર્ટુગીઝ સરકારના અન્યાયી કાયદાઓનો પ્રતિકાર	-કાવ્યગાન - Story telling
૮.	ડિસે.	પાઠ-૧૫ તે નેસે અહીં વ્યાકરણ, એકમ- ૫ , ૬ પાઠ-૧૬ પ્રાણનો મિત્ર નિબંધ, વિચાર-વિસ્તાર,પત્ર, અહેવાલ પાઠ-૧૭ ટિફિન	-બીજા માટેની સંવેદના -પોતાની લાયકાત વિશે સજાગતા -વૃક્ષો સાથે બાળકનો હૃદય સંબંધ -પશુપ્રેમ અને પરોપકારી વૃત્તિનું આલેખન	-ગાજલનું પઠન -દરેક વિદ્યાર્થી પોતાના ઘરે એક વૃક્ષ વાવી તેનું જતન કરે. -દરરોજ ગાય અને કૂતરાને રોટલી ખવડાવવાનો નિયમ લેવડાવવો.
૯.	જાન્યુ.	પાઠ-૧૮ લઘુકાવ્યો નિબંધ, વિચાર-વિસ્તાર,પત્ર, અહેવાલ	-ખુમારી અને હિંમત -માણસના દંભ અને ડોળ	-અન્ય દુહા મેળવી વિદ્યાર્થીઓ તેનું પઠન કરે.
૧૦.	ફેબ્રુ	પુનરાવર્તન		

Sanskrit- 10

S.N.	Month	Topic	Sub Concept	Activity
1	June	१.सं वदध्वम् २. यद्भविष्यो विनश्यति ३. स्वस्थवृत्तं समाचर ४. जनार्दनस्य पश्चिम सन्देशः ५. गुणवती कन्या	- सर्वनाम - नामपद - क्रियापद - स्म प्रयोगः - समास, सन्धि	
2	July	६. काष्ठखण्डः ७. सुभाषित कुसुमानि ८. साक्षिभूतः मनुष्यः ९. चक्षुष्मान् अन्ध एव	- कृदन्त - समास - सन्धि	
3	Aug	१०.त्वमेका भवानि ११. यस्य जननं तस्य मरणम् १२. कलिकालसर्वज्ञो हेमचन्द्राचार्यः	- उपपद विभक्ति - विरुद्धार्थी शब्दा - समानार्थी शब्दा	
4	Sept	पुनरावर्तनम् (१ से १२) १३. गीतामृतम्	- पुनरावर्तनम्	
5	Oct	पुनरावर्तनम् (१ से १३)	-	
6	Nov	१४. क इदं दुष्करं कुर्यात् १५. जयः पराजयो वा	- विशेषण प्रयोग	
7	Dec	१६. अद्भूतं युद्धम् १७. स्वाभाविकं सादृश्यम् १८. मुक्तानि मुक्तकानि १९. सत्यं मयूरः २०. तथैव तिष्ठति		

Hindi- 10

S.N.	Month	Topic	Sub Concept	Activity
1	June	१. प्रभुजी तुम चन्दन हम पानी २. बूढ़ी काकी ३. सवैये ४. एक प्रश्न - चार उत्तर ५. मीरा के पद	-आत्मा-परमात्मा, तुलनात्मक अध्ययन वृद्धावस्था तथा तरुणावस्था अर्थ, कृष्णभक्ति मानसिकता व सोच, सीख पद-परिचय, अनन्य भक्ति	- सस्वर गायन चर्चा सस्वर गायन चर्चा सस्वर गायन
2	July	६. कालिदास का प्राणि-प्रेम ७. जन्मभूमि ८. सुधामूर्ति ९. कुत्ते की सीख १०. जीने की कला ११. भारतवर्ष हमारा है	- परिचय, जीव-दया, करुणा भारतका गौरव-प्राकृतिक, ऐतिहासिक नारी सशक्तिकरण कहानी के पात्र, शस्त्रों की सीख कला का अर्थ, जीवनका कलात्मक रूप कवि का राष्ट्रप्रेम, भारत का नवनिर्माण	- अन्य प्रसंग प्राचीन भारत नारी तू नारायणी जान है तो जहान है चर्चा व छात्रों के अनुभव - संविधान और कर्तव्य
3	Aug	१२. एक नई शुरुआत १३. साधुप्रदेश १४. मेरी माँ १५. हे जनशक्ति महान व्याकरण	- विज्ञान के सिद्धान्त, इन्सानियत और फर्ज ढोंग, मिथ्या आडम्बर, व्यंग्य ममता, माँ का ऋण नवयुग का आह्वान,समास-अर्थ, प्रकार	- विज्ञान का जीवन- महत्त्व व्यंग्यात्मक वाक्य निर्माण 'माँ-' छात्राभिव्यक्ति देश व किसान- चर्चा मौखिक परीक्षा
4	Sept	व्याकरण १६. चोरी व्याकरण	- संधि- अर्थ, प्रकार समस्त पाठ- सारांश बाल-वेदना, नौकरों के प्रति मानसिकता अहवाल लेखन	-मौखिक परीक्षा मौखिक परीक्षा - छात्राभिव्यक्ति मौखिक परीक्षा
5	Oct	Revision, Sa-1 Exam		
6	Nov	१७. कश्मीर	स्वर्ग से तुलना	यात्रा प्रवास वर्णन
7	Dec	१८. रचना १९. तोता और इन्द्र २०. अलबम	रचना-अर्थ, सहनशीलता-एक हथियार सच्चा प्रेम, बलिदान की भावना - आर्थिक व्यवहार, मानव मूल्यों का जतन	मंचन सस्वर पठन, मंचन - मंचन, संवाद लेखन
8	Jan	२१. पहेलियाँ - मुकरियाँ २२. भीतरी समृद्धि २३. भूख व्याकरण	समस्त पाठ- सारांश - अंतर, अर्थ, महत्त्व अर्थ - आंतरिक शांति संघर्ष, संघर्ष के प्रकार, महत्त्व कहानी लेखन, शीर्षक नियमावली	मौखिक परीक्षा - संकलन सुख-दुख चर्चा सस्वर वाचन व चर्चा मौखिक परीक्षा
9	Feb	Revision		

English - 10

S.N.	Month	Topic	Activity
1	April	Reader L-1 'A letter to god'. Poem -1 Dust and snow Poem-2 Fire and ice Supp. L-1. A Triumph of surgery Novel L-1	
2	June	Reader L-2 Nelson Mandela 3 (i) His first Flight Poem-3 'A Tiger in the zoo' Supp L-2 - The Thief's story Supp L-3- The midnight visitor Novel -L-2,3,4 Modal auxiliary	- Design a poster for your area on how to save water
3	July	Reader 3(2) The Black aeroplane L-4 from the Diary of Anne. Poem-4 How to tell wild Poem-5 The Ball poem Supp L- 4 A question of Trust Supp L-5 Footprints without Foot Novel - L-5,6,7 Active and passive Sub - Verb Agreement Diary writing	- 'Do you think there is colour prejudice in your country ? Write a paragraph in about 100 words.
4	Aug	Reader L -5 The Hundred dresses-I 6- The hundred dresses II Poem-6 Amanda Supp L -6 The making of a scientist Novel L- 8,9,10 Direct and Indirect speech	
5	Sep	Reader L-7 Glimpses of India Poem-7 Animals Supp- L -7 The necklace Novel L-11, 12, 13, 14 Clauses, story writing	
6	Oct	Reader - L-8 Mijbil the other Poem- 8 The Trees Supp - L-8 The Hack Driver Novel L-15, 16,17 Determiners, Letter writing	- Write a letter to the manager of a bank to issue new cheque book.
7	Nov	Reader-9 Madam rides the Bus Poem-9 Fog	- Write an article on the topic "Impact of T.V on

English - 10

S.N.	Month	Topic	Activity
		Poem-10 The Tale of... Supp L-9 Bholi Novel - L-18,19,20 Prepositions, article writing	children”
8	Dec	Reader-10 The sermon 11. The proposal Poem-11 For Anne Supp L-10 The Book... Novel L-21,22,23 Transformation	

Paper style

Section-A (Reading)

1. An unseen passage of very short answer type eight questions. (08)
2. A discussive passage of eight questions. (Unseen) (12)

Section-B (Writing and grammar)

3. Write a diary letter / article (08)
4. Short story based on clues. (12)
5. Gap filling with prepositions, articles, conjunctions and Tenses. (03)
6. Error Rectification. (04)
7. Transformation (03)

Section-C (Literature)

8. One out of two extracts from prose / poetry. (04)
9. Four short answer type questions. (Reader & supp) (08)
10. One out of two long answer type questions. (08)
(Reader & Supp)
11. One out of two very long answer type questions from novel. (10)

कक्षा-10 हिन्दी (द्वितीय भाषा)

वार्षिक परीक्षा

समय : 3 घंटे

प्रश्नपत्र का प्रारूप

पूर्णांक : 80

	विभाग-A गद्य विभाग	गुणांकन
●	विकल्पों में से सही विकल्प चुनकर उत्तर लिखें, ऐसे दो प्रश्न पूछिए।	[02]
●	सही विकल्प चुनकर रिक्त स्थानों की पूर्ति हो, ऐसे दो प्रश्न पूछिए।	[02]
●	वाक्यों में से सही वाक्यांश चुनकर पूरा वाक्य फिर से लिखें, ऐसे दो प्रश्न पूछिए।	[02]
●	प्रश्नों के उत्तर एक-एक वाक्य में हो, ऐसे तीन प्रश्न पूछिए।	[03]
●	प्रश्नों के उत्तर दो-तीन वाक्यों में हो, ऐसे दो प्रश्न पूछिए और उसके अथवा में एक प्रश्न दीजिए।	[04]
●	प्रश्नों के उत्तर चार-पाँच वाक्यों में हो, ऐसा एक प्रश्न पूछिए और उसके अथवा में एक प्रश्न दीजिए।	[03]
●	कथनों का आशय स्पष्ट हो, ऐसा एक प्रश्न पूछिए और उसके अथवा में एक प्रश्न दीजिए।	[03]
	विभाग-B पद्य विभाग	
●	विकल्पों में से सही विकल्प चुनकर उत्तर लिखें, ऐसे दो प्रश्न पूछिए।	[02]
●	सही विकल्प चुनकर रिक्त स्थानों की पूर्ति हो, ऐसे दो प्रश्न पूछिए।	[02]
●	वाक्यों में से सही वाक्यांश चुनकर पूरा वाक्य फिर से लिखें, ऐसे दो प्रश्न पूछिए।	[02]
●	प्रश्नों के उत्तर एक - एक वाक्य में हो, ऐसे तीन प्रश्न पूछिए।	[03]
●	प्रश्नों के उत्तर दो-तीन वाक्यों में हो, ऐसे दो प्रश्न पूछिए और उसके अथवा में एक प्रश्न दीजिए।	[04]
●	प्रश्नों के उत्तर चार-पाँच वाक्यों में हो, ऐसा एक प्रश्न पूछिए और उसके अथवा में एक प्रश्न दीजिए।	[03]
●	पंक्तियों का आशय स्पष्ट हो, ऐसा एक प्रश्न पूछिए और उसके अथवा में एक प्रश्न दीजिए।	[03]
	विभाग-C व्याकरण विभाग	
●	कहावत का अर्थ स्पष्ट हो ऐसा एक प्रश्न पूछिए।	[01]
●	शब्दसमुह के लिए एक शब्द हो ऐसा एक प्रश्न पूछिए।	[01]
●	संधि को छोड़िए, ऐसा एक प्रश्न पूछिए।	[01]
●	संधि को जोड़िए, ऐसा एक प्रश्न पूछिए।	[01]
●	मुहावरे का अर्थ देकर वाक्य में प्रयोग हो ऐसा एक प्रश्न पूछिए।	[02]
●	शब्दों का वीरोधी शब्द लिखे ऐसे दो प्रश्न पूछिए।	[02]
●	शब्दों का पर्यायवाची शब्द लिखे ऐसे दो प्रश्न पूछिए।	[02]
●	शब्दों की भाववाचक संज्ञा बनाने के लिए दो प्रश्न पूछिए।	[02]
●	शब्दों की कर्तृवाचक संज्ञा बनाने के लिए दो प्रश्न पूछिए।	[02]

●	शब्दों की विशेषण संज्ञा बनाने के लिए दो प्रश्न पूछिए ।	[02]
●	समास को पहचाने ऐसे दो प्रश्न पूछिए ।	[02]
विभाग-D लेखन विभाग		
●	प्रयोजन मूलक में से संक्षिप्त टिप्पणी पूछिए और उसके अथवा में एक टिप्पणी दीजिए ।	[03]
●	अपठित परिच्छेद को पढ़कर प्रश्नों के उत्तर लिखें ऐसे चार प्रश्न पूछिए ।	[04]
●	एक पत्रलेखन पूछिए ।	[05]
●	मुद्दों के आधार पर एक कहानी पूछिए ।	[05]
●	किसी एक विषय पर १५० शब्दों में निबंध पूछिए और उसके अथवा में दो निबंध दीजिए ।	[07]

- नोंध : (1) प्रथम परीक्षा माटे प्रथम परीक्षा सुधीनो अब्यासकम देवानो रडेसे. जेनुं परिद्रुप वार्षिक परीक्षाना परिद्रुप प्रभाषे 80 गुणनुं रडेसे.
(2) प्रिलिभिन्नरी परीक्षाभां संपूर्ण अब्यासकम आवरी देवानो रडेसे अने तेनुं परिद्रुप वार्षिक परीक्षाना परिद्रुप प्रभाषे 80 गुणनुं रडेसे.

MATHS-10

SR.NO	MONTH	TOPIC	Sub – Topic	ACTIVITY
1.	Apr	Ch. 2 Polynomials	Introduction Geometrical meaning of the zeros of a polynomial Relationship between zeros and coefficients of a polynomial Division algorithm for polynomials	10 MCQ test
		Ch. 15 Probability	Introduction Probability-(A theoretical Approach) Formula of Probability Word Problems using formula	Oral Discussion
2.	Jun	Ch. 5 Arithmetic Progression	Introduction Arithmetic Progression- find T_n (A.P.) Sum to n terms of A.P. Miscellaneous Examples	Formula Test
		Ch. 8 Trigonometry	Introduction Trigonometric Ratios Invariance of Trigonometric Ratios Identities related to trigonometric ratios Value of trigonometric ratios for angle of special measures Trigonometric ratios of complementary angles Trigonometric Identities	Group Discussion
3.	Jul	Ch. 13 Surface Area And Volume	Introduction Surface Area of familiar solids Surface Area of a Combination of Solids Volume of combination of solids Conversion of solids from one shape to Another Frustum of a cone	Draw Table of all the formulas
		Ch. 9 Some application of Trigonometry	Introduction Angle of Elevation Angle of Depression Solution of a right angle Word problems v imp.	Oral Discussion
		Ch. 14 Statistics	Mean of Grouped Data- 3 Methods 1. Direct Method 2. Assumed Mean method 3. Step Deviation method Mode of Grouped data- Formula of Z Median of Grouped Data (M) Cumulative Frequency curve (Ogive)	Group Discussion
4.	Aug	Ch. 14	Continue....	
		Ch. 3 Pair of linear equations in two variables	Introduction Pair of linear equations in two variables Graphical method of solution of a pair of linear equations Algebraic method of solving a pair of linear equations Method of Substitution Method of Elimination of One variable Method of Cross Multiplication Equations reducible to pair of linear equations in two variables	Oral Discussion
		Ch. 4 Quadratic Equations	Introduction Quadratic Polynomial and Quadratic	Group Discussion

			Equations Solution of a Quadratic equation by the method of factorization Solution of quadratic equation by completing a square Solution of quadratic equation by using the general formula Nature of the roots of the quadratic equation Word Problems.	
5	Sep	Ch. 1 Real No	Introduction The Division Algorithm Euclid's Algorithm G.C.D. and L.C.M. Fundamental Theorem of Arithmetic An important application G.C.D. and L.C.M. of three integers Irrational numbers Presentation of Rational numbers in decimal system Surd Miscellaneous Examples	Oral Test
6	Oct	Revision, SA-1		
7	Nov	Ch. 10 Circles Ch. 11 Constructions	Introduction Tangent to a circle Theorems Number of tangents from a point outside the circle Introduction Division of a Line-segment Construction of tangents to a circle	Memory game Call Students to construct on board
8	Dec	Ch. 6 Triangles Ch. 12 Area related to a circle Ch. 7 Coordinate Geometry	Introduction Similar figures Similarity of Triangles Some geometrical results on Proportionality: Fundamental theorem of Proportionality A triangle and a line lying in the Plane Criteria for similarity of triangles Similarity and Right angled Triangle Theorem of Pythagoras Converse of Pythagoras Theorem Important theorems (Apolloneous theorem) Introduction Perimeter and Area of a Circle Area of a Sector and a Segment of a circle Areas of Combination of Plane Figures Introduction Distance Formula Division of a Line Segment Area of a Triangle Miscellaneous Examples	10 MCQ test Oral Test Group Discussion Write formulas on chart paper

ENG. GSEB STD 10S.S

Sr. No	Month	Topic	Sub Topic	Activity
1	Apr	History Ch No 1 - Heritage of India Ch No 2 - Cultural Heritage of India (Traditional Handicraft and Fine Arts)	<ul style="list-style-type: none"> • Meaning of culture • Cultural heritage of India • Rich and varied heritage • Art of Indian Artisans • Fine Arts of India • Other Dances of Gujarat 	<p>Mark places of India in Atlas</p> <p>Show Slides of various dances to the students</p>
2	Jun	Geography Ch No 8 - Natural Resources Ch No 9 - Forests and Wildlife Resources Ch No 12 - Minerals and Energy Resources	<ul style="list-style-type: none"> • Uses of resources • Types of resources • Planning and conservation of resources • Classification of forests • Types of forests according to administration • Classification of minerals • Classification of energy resources • Mineral oil refining 	<p>Group Discussion</p> <p>Paste the cuttings regarding wildlife from the newspaper</p> <p>Collect pictures of mining activity</p>
3	Jul	Civics Ch No 15 - Economic Development Ch No 16 - Economic Liberalization and Globalization Ch No 17 - Economic Problems and Challenges - Poverty and Unemployment Ch No 21 - Social Change	<ul style="list-style-type: none"> • Economic development • Features of developing economy • Factors of production • Advantages of privatization • Effects of globalization • World Trade Organization • Measurement of poverty • Reasons of poverty • Strategy for poverty eradication • Rights of citizen • Rights of child 	<p>Collect information about national income of our country in different years</p> <p>Students should discuss the benefits and limitations of privatization, liberalization and globalization</p> <p>Collect information about the rate of unemployment in India</p> <p>Make a survey of child labourers in your locality</p>
4	Aug	History Ch No 3 - Cultural Heritage of India, Sculpture and Architecture Ch No 4 - Literary Heritage of India	<ul style="list-style-type: none"> • Ancient Indian town planning • Stone inscription • Dravid style of art in South India • Medieval Literature • Ancient Indian Literature 	<p>Prepare a list of historical places of India</p> <p>Prepare the list of main universities of Gujarat</p>

		Ch No 5 - India's Heritage of Science and Technology Geography Ch No 10 - India Agriculture	<ul style="list-style-type: none"> • Science of Medicine and Surgery • Heritage of India in the field of science and technology <ul style="list-style-type: none"> • Types of farming • Farming methods • Cash crops 	Find out details of ancient inventions of science Collect information about the crop of Gujarat
Sr. No	Month	Topic	Sub Topic	Activity
		Ch No 13 - Manufacturing Industries Ch No 14 - Transportation, Communication and Trade	<ul style="list-style-type: none"> • Importance of industries • Classification of industries • Industrial pollution and environmental degradation • Transportation • Roads or land transport • Railways 	Collect information about different industries Gather information about online railway facilities from the mobile application of railways
5	Oct	Ch No 11 - India: Water Resources Civics	<ul style="list-style-type: none"> • Sources of water • Water resources and uses • Water crisis 	Prepare chart about importance of water
6	Nov	Ch No 18 - Price Rise and Consumer Awareness Ch No 19 - Human Development Ch No 20 - Social problems of India and challenges History	<ul style="list-style-type: none"> • Reason of price rise • Steps taken to control price rise • Reasons of consumer exploitation • Meaning of human development • Human development index • Challenges of human development • Communalism • Struggle against communalism • Casteism • Constitutional provisions 	Collect the news clipping related to price rise in recent times Collect information about human development from newspaper and discuss Group discussion
7	Dec	Ch No 6 - Places of Indian Cultural Heritage Ch No 7 - Preservation of Our Heritage	<ul style="list-style-type: none"> • Caves of Ajanta • Ellora caves • Places of pilgrimages in India • Need for preservation of cultural heritage • Tourism industry and our heritage 	Show the places of Indian cultural heritage on the outline map of India Collect information related to world heritage and arrange classroom discussion

SCIENCE -10

S.NO	MONTH	TOPIC	SUB TOPIC	ACTIVITIES
1	April	Ch-6 Life Processes Ch-13 Magnetic Effects of Electric Current Ch-16 Management of Natural Resources Ch-15 Our Environment	<ul style="list-style-type: none"> ▪ Nutrition and its types ▪ Human Digestive System ▪ Human Respiratory system ▪ Transportation in plants and Humans ▪ Excretion in plants and Humans ▪ Magnetic field & lines ▪ Electric motor ▪ Electric Generator ▪ Managing natural resources ▪ Ecosystem, Food chains & webs ▪ Global problems 	<ul style="list-style-type: none"> • To name the organs associated with digestive system with a model. • To explain the respiratory system with the help of a model. • To name the organs and identify them in a model of excretory system.
2	June	Ch-15 Continue... Ch-2 Acids, Bases and Salts Ch-14 Sources of Energy	<ul style="list-style-type: none"> ▪ Acid-Base theories ▪ Chemical Properties of Acids, Bases & Salts ▪ pH Scale and calculations ▪ Different sources of Energy ▪ Alternate sources of Energy 	<ul style="list-style-type: none"> • To show Neutralization reaction. • To measure pH of solutions. • To show the response of plants towards light, water, soil and touch.
3	July	Ch-14 Continue... Ch-10 Light : Reflection and Refraction Ch-3 Metals and Non Metals	<ul style="list-style-type: none"> ▪ Reflection of light in mirrors and lenses ▪ Refraction in plane & curved surfaces ▪ Metallurgy ▪ Physical & Chemical properties of Metals ▪ Alloys ▪ Physical & Chemical properties of Nonmetals – Hydrogen, Ammonia, Sulphur and Sulphuric acid 	<ul style="list-style-type: none"> • Prepare a list of five metals and alloys that are used in your home • To examine the properties of Metals and Nonmetals • To show lateral inversion in plane mirror. • To show image formation in concave & convex mirrors. • To show simple refraction.
4	August	Ch-3 Continue... Ch-9 Heredity and Evolution Ch-12 Electricity	<ul style="list-style-type: none"> ▪ Heredity & expression of Inherited characters ▪ Sex determination in Humans ▪ Evolution & classification ▪ Electric charge and potential difference ▪ Ohm's law ▪ Faraday's laws of electrolysis 	<ul style="list-style-type: none"> • To demonstrate open and closed circuit • To demonstrate a given material is whether conductor/insulator. • To draw table of independent inheritance of two given traits.
5	September	Ch-11 Human eye and colorful world Ch-7 Control and Coordination in organisms	<ul style="list-style-type: none"> ▪ Dispersion of light through prism ▪ Defects of vision and its remedies ▪ Control and Coordination in Plants & Animals 	<ul style="list-style-type: none"> • To draw the positions of endocrine glands in humans. • To show dispersion of sunlight through Prism. • Formation of secondary colors.

6	October	Ch-8 How do organisms Reproduce? Revision for SA 1	<ul style="list-style-type: none"> ▪ Types of reproduction in organisms ▪ Reproductive health 	<ul style="list-style-type: none"> • To show charts of different types of Reproduction.
7	November	Ch-5 Periodic Classification of Elements Ch-1 Chemical reactions and Equations	<ul style="list-style-type: none"> ▪ Different scientists contribution in the classification of periodic table ▪ Modern Periodic Table ▪ Trends in Modern Periodic Table ▪ Different chemical reactions ▪ Chemical equations 	<ul style="list-style-type: none"> • To show periodic table chart in the lab • To write different chemical equations and balance them too.
8	December	Ch-1 Continue... Ch-4 Carbon and its compounds	<ul style="list-style-type: none"> ▪ Organic Functional groups ▪ Polymers & their classification ▪ Soap & Detergents 	<ul style="list-style-type: none"> • To draw the miscelle structure. • To write all the functional groups in interleaf book.
9	January	Revision for Board Exam		
10	February	Revision for Board Exam		
11	March	Board Exam		