

SYLLABUS 2016-17

CLASS - 4

Content

S.S

Science

Maths

English

Gujarati

Hindi

Computer

4 - S.S.

Month	Topic	Concept	Activity
June	Ch-1 Our country	Students will learn about the neighbouring countries of India.	Map work
	Ch-2 The Northern Mountains	To know about the northern mountains	Collect some picture of the Northern Mountains.
July	Ch-5 Life in the Northern Plains	Students will know about the life and culture of the people of the states lies in the Northern plains	Map work, Make a list of important tourist places in the states of the Northern plains.
	Ch-6 The Western Desert	Students will learn about how will get water in desert areas.	Make a poster of the desert area.
	Ch-8 The southern plateaus	To know about the states of southern plateaus	Collect the information of states of southern plateaus.
Aug.	Ch-10 Coastal plains and Islands	To know about the eastern and western coastal plains.	To collect information about islands.
	Ch-12 Climate of India	Students will learn about the climate of India.	Collect pictures of the three main seasons of India.
Sep	Ch-13 Our Natural Resources	To know about our Natural Resources and the various types of resources.	Make a list of Five natural and five human made resource.
Oct.	Ch-14 Soil of India	Students will know about the types of soil found in India.	To collect information about different types of soil.
Nov	Ch-15 Forests of india	Students will know about types of forests in India.	On an outline map of India mark the different kinds of forest
Dec	Ch-16 Water Resources of India.	To know about the sources of water on the earth.	Think and write how you can help to save water.
	Ch-18 Agriculture and live stock Rearing	Students will learn about the importance of agriculture in our country.	To discuss about the different crops grow in India.
Jan	Ch-20 Human Resources	Students will learn about the problems in the development of human resources	to collect informantion about Human resources.
	Ch-22 Communication	Students will know about the modes of communication.	Collect picture of different means of communication.
Feb	Ch-24 Famous personalities	Students will learn about religious leaders.	Collect pictures of different leaders.
	Ch-25 Our National symbols	Students will learn about different national symbols	Make a national flag.
Mar	Ch-26 Our Rights and and duties	Students will learn about how india got its constitution.	Write any three duties and rights towards your school.

4 - Science

Month	Topic	Concept	Activity
June	Ch-4 Plants and food	Students will understand the topic of plants and food.	Test the presence of starch in any part of plant by using a drop of Idoine
July	Ch-5 Kinds of plants Ch-6 How Animals reproduce Ch-7 Adaptation in Animals	Students will understand the different kinds of plants. Students will understands that how the animals are able to reproduce. Students will understand the meaning of Adaptation	Collect the leaves of different grasses and paste in your Note Book. Find two caterpillars from a garden. Collect pictures of various kinds of animals and paset them in N.B
Aug.	Ch-1 Food Ch-8 Safety from diseases and Accidents.	Students understand the Importance the importance of food in our life. Students will understand the topic of safety from Diseases and Accidents.	Make a list of preserved foods you get in bottles. Observe some curd under a Microscope. Observe the bacteria in it.
Sep.	Ch-2 Digestion of food. Ch-3 Our Teeth	Students will understand the concept of digestion of food Students will learn about the different kinds of teeth.	Make a chart of the digestive system and label the organs. Observe the teeth of five children in your class and find out the no of it.
Oct.	Ch-14 The Heavenly Bodies.	Students will understand about the heavenly bodies.	Look at the sky at night. Try identify mars an venus.
Nov.	Ch-15 Our planet earth	Students will understand about the concept of our earth.	Take a globe and try to lear it proper.
Dec.	Ch-12 The sun and the weather	Students will understand the concept of The sun and the weather.	Make a spinning snake and observe rising air.
Jan.	Ch-13 Water	Students will understand about the topic of water.	Take some muddy water Filter it in different ways.
Feb.	Ch-10 Force and work Ch-11 Energy	Students will learn about the topic of force and work. Students will understand the topic of energy.	Find out the information about Sir Isaac Newton. Try to make your own water wheel.
Mar.	Ch-9 Solids liquids and Gases. Ch-16 Keeping our planet Green	Students will understand the topic of solid liquids and gases. Students will learn about our planet	Will hot water dissolve more salt than cold water ? Find out Callect information of different types of pollutions.

4 - Maths

Month	Topic	Concept	Activity
June	1. Large Numbers	<p>Students will learn the concepts upto 7 digit numbers.</p> <ul style="list-style-type: none"> - Place value - Expanded Form - Reading and writing large numbers - Successor and predecessor - Comparison of Numbers - Rounding off - International Place value system - Roman Numerals 	Make different numbers by abacus model.
July	2. Addition 3. Subtraction	<p>Students will familiarize with the concept of addition of large numbers</p> <ul style="list-style-type: none"> - Properties of addition - Problem sums <p>Students will familiarize with the concept of subtraction of large numbers</p> <ul style="list-style-type: none"> - Properties of subtraction - Combining Addition and subtraction. - Problem sums 	Play way method Play way method
Aug.	4. Multiplication 5. Division	<p>Students will learn the concept of multiplication.</p> <ul style="list-style-type: none"> - Properties of multiplication - To multiply by 10,100 and 1000 - To multiply by expanded form - To multiply by using lattice method - Problem sums <p>Students will learn the concept of division of large numbers.</p> <ul style="list-style-type: none"> - Division by 10,100 and 1000 - Problem sums - Estimating the Quotient - Mixed Mathematical operations. 	Game of multiplication tables Game of Flash cards
Sept	6. Factors and multiples	<p>Students will learn the concept of factors and multiples</p> <ul style="list-style-type: none"> - Prime and composite numbers - Prime Factorisation - Relation between HCF and LCM - Test of Divisibility 	Identify and encircle the factors of the corresponding number in sheet.

Month	Topic	Concept	Activity
Oct	7. Fractions	Students will familiarize with Equivalent proper, improper and mixed fractions. - Reducing form - Like and unlike Fractions - Addition and subtraction - Problem sums	Identify the fraction by showing rectangle paper
Nov	9. Measurement	Students will understand the concept of metric system. - Conversion of units - Addition and subtraction of metric measures - Problem sums	Measure different objects with the help of scale.
Dec	8. Geometry 10. Time	Students will learn the concept of Geometry - Drawing & measuring line segment -Angles & Circle - Perimeter of a square and rectangle - Solids Students will learn the concept of time and calender. - Conversion of time units - Addition and subtraction of time - Time duration in hours and minutes - Conversion of days, weeks months and years.	Show angle with the help of different objects Activity by real clock
Jan	11. Money	Students will further learn about currency - Operations on money - Unitary method - Probelm sums	Count and tell the total amount of rupees and paise
Feb	12. Symmetry and patterns	Students will understand the concepts of symmetry and patterns. - Coding and tessellations.	Make different types of patterns in your Note book.
Mar.	13. Data Handling	Students enable to learn to collect data and represent the same. - Pictographs - Bar Graphs	Collect data of marks obtained by your class mates and make pictographs

4 - English

Month	Topic	Concept	Activity
June	L-1 Was it a Dream	Students will learn to trust our elders' wisdom and listening to them.	Divide the class in two categories for outdoor and Indoor hobby. Have a debate between them about which hobbies are best for health mind and knowledge.
	L-2 The Silver House	Students will learn to appreciate the beauty of the moon.	Do some research and make a collage of different kind of house in the world.
	Ch-1 The sentence	Students will learn more about types of sentences.	Ask the students to pickout different kind of sentence in group.
	Essay		
July	Ch-2 The subject and the predicate	The students will learn about the subject and predicate	Power point presentation on subjects and predicate. Ask students to explain it one by one.
	Ch-3 Subject - verb agreement	Students will learn about subject as verb agreement	Show a chart of various words and ask the students to identify the verbs and make a list of it.
	L-3 The Great Traveller	Students will learn about inculcating a spirit of adventure	May tourists visit India to see its beautiful monuments on a map of India, locate ten world Heritage sites and write few facts about them.
	L-4 Puupy and I	Students will learn to appreciate the innocence of childhood.	Enact a small skit in which there are no dialogues . Students will express themselves only through actions.
	Story Writing		
Aug.	L-5 How the sea become salty	Students will learn that greed needs to be controlled.	Think of an event that made you feel very sad or happy? What happened Write a diary of your story about it.
	Ch-4 Nouns	Students will learn about different types of noun with some examples.	Write a few lines on any one of your hobby and aks them to underline the nouns and it's type.
Sep	Ch-6 Angry	Students will learn to control their temper	Make a poster with different kind of emotions showing different emotions choose suitable colour for each and write a caption for each of them.
	Ch-5 Number	Students will learn in detailed about numbers noun.	Find 10 Examples of Number - noun and share them in the class.
	Comprehension Ch-6 Articles	Students will learn about article 'a', 'an' and 'the' in detail.	Frame a short story using articles and ask them to explain it the class.

Month	Topic	Concept	Activity
	Ch-7 Gender L-7 A stranger at Benbow Inn Picture Reading	Students will learn about kind of Gender with examples. Students will learn to enjoy a mystery stories.	Find and write a poem which has minimum 5 pronoun examples. Find out about lifestyle diseases. How do these diseases affect us ? how can we prevent these diseases ? what role do bad eating habits and lack of exercise play in causing them ?
Oct.	L-8 The Ants Ch-9 Verbs Ch-10 Simple Tenses	Students will learn the importance of hard work. Students will learn types of verb Students will learn simple present, past and future tense	Ants are considered to be very hard working. Find out about some great people who become famous because of their hardwork. Discuss their stories in the class. Make a list of to be verb, continue verb and past participle verb list with minimum 50 examples. The two groups will form, they present their daily schedule with the help of simple tense.
Nov	Essay writing & letter writing L-9 A Thousand Gold coins	Students will learn to compose essay and letter writing. Students will learn to be humble and true.	Students will learn by various video clips and compose a paragraph about it. Find out about the currencies used in different countries and share in the class
Dec	L-10 The conceited Python Ch-11 Continuous Ch-12 Perfect participles Ch-13 Adjectives L-11 Sounds in the evening	Students will learn the experiences of different family. Students will learn continue present, past and future tense Students will learn perfect present past and future. Students will learn types of adjectives and its appropriate use. Students will learn about different kind of sounds.	Make a decorative handicraft using mirrors show and tell what it is and how you made it. Make a sentence of continue tense on flash cards and ask students to identify the particular tense. Students will pick out any tense from sentence and convert it into perfect past present and future tense. Make a list of adjectives on a chart and highlight them with different colour according to its type. Prepare a poster to make people aware about noise pollution and its effects. Also write a catchy slogan.

Month	Topic	Concept	Activity
Jan.	L-12 The sword of king Arthur. Ch-14 Comparison of Adjectives	Students will learn about historical legends. Students will learn about comparison of adjectives in degree.	Read more about king Arthur. Write an interesting story about a magical sword and share it in the class. Make three poster of comparison of adjectives in a innovative and creative way.
Feb	Ch-15 Adverb L-13 A Voyage L-14 Sinbad, the sailor Ch-16 Prepositions Ch-17 Conjunctions	Students will learn about adverb and it's appropriate use. Students will learn to appreciate different kind of traveller. Students will learn to appreciate courage and an adventurous spirit Students will learn prepositions, types of prepositions used in Students will learn conjunctions and their appropriate use in a sentence.	Match the following adverbs with suitable verb and make meaningful sentences. Take a world map and locate the voyages of christotopher columbus or vasco da Gama on it. Show a video or movie clip on the eagle hunting a snake and then ask what students saw and understood . Discuss the topic "The law of the jungle is fight and flight" Draw a beautiful tree of preposition and paste it in a class.
Mar.	L-15 The Dentist and the crocodile L-16 Mowgli joins the wolf pack Ch-18 Reported Speech Ch-19 Punctuation Essay writing & composition, comprehensions.	Students will learn to appreciate the humour. Students will learn to appreciate loyalty and the bonds of family. Students will learn about direct and indirect speech. Students will learn punctuation and it's important. Students will learn to compose a paragaraph on various subject	Find out about the cocodile park chennai Why is it a good tourist attractions ? If possible make a virtual tour of the park and present it in the school. Read the Jungle Book from school library. Then write a paragraph on the character you liked and the ones you disliked. Students will do role-play on indirect language. Find the error and correct it with the help of appropriate punctuation marks. Students will observe the picture and write a paragraph about it.

• Paper Style

• Weekly Test - 1 L. 1 ,2 Grammar 1 to 3

• Weekly Test - 2 L. 7,8, 9 Grammar 8to10

Q.1 a. Fill in the blanks

b. True or False

c. Match the following

Q.2 a. Name the following

b. Choose the correct option

c. Give meaning

Q.3 a. Answer in one word

b. Answer in short

Q.4 a. Do as directed

b. Picture reading

• SA - 1 L. 1 to 7 Grammar 1 to 7 Essay, Story, Picture Reading, Comprehension

• SA - 2 L. 10 to16 Grammar 11 to 19 Essay, Story, Picture Reading, Comprehension

Section -A

Q.1 a. Fill in the blanks

b. True or False

c. Choose the correct option

Q.2 a. Give meaning

b. Match the following

c. Name the following

Q.3 a. Answer in one word

b. Answer in short

c. Answer in detail

d. Quote from the memory

Section -B

Q.4 a. Story writing

b. Essay writing

Q.5 a. Do as directed

b. Read the passage carefully and answer the question

c. Picture reading

૪. ગુજરાતી

Month	Topic	Concept	Activity
જૂન	પાઠ-૧ માતૃભૂમિ - નિબંધ લેખન	- રાષ્ટ્રીય એકતાની ભાવના જાગૃત થાય.	- કાવ્યગાન, ધ્વજવંદન દોરાવી રાષ્ટ્રગીત લખાવવું
જુલાઈ	પાઠ-૨ ખંતીલી કીડી પાઠ-૩ આપણા મિત્ર-પશુ પાઠ-૪ સૂરજદાદા આવ્યા	- પરિશ્રમના મહત્વને સમજે. - સમૂહ ભાવના કેળવાય. - પ્રાણીઓ પ્રત્યે લાગણી જોડાય અને તેમનું જતન કરતાં શીખે. - કુદરતી વસ્તુઓની ઉપયોગીતાને જાણી તેમના મહત્વને સમજે.	- ક્વીઝ કોમ્પીટીશન - સ્ટોરી ટેલીંગ Mind Map Picture Identify ચિત્ર અને રંગપૂરણી કાવ્યગાન, પ્રકૃતિ વર્ણન
ઑગ.	- નિબંધ લેખન પાઠ-૫ ચતુર બિરબલ પાઠ-૬ ચાર મિત્ર	- વિચાર શક્તિ, નિર્ણય શક્તિ, ચતુરાઈ વગેરેથી થતાં ફાયદા વિશે જાણે. - સાચી મિત્રતાને સમજી મિત્રભાવના કેળવાય.	Story telling, શબ્દ સ્મૃત સ્માડવી Story telling, Story writing.
સપ્ટે	પાઠ-૭ આપણી આજુ-બાજુનું વાતાવરણ - નિબંધ લેખન	- સ્વચ્છતા, પ્રદૂષણની ખરાબ અસર, વૃક્ષોનું મહત્વ વગેરે બાબતોને સમજે	- ચાર્ટમાં સ્વચ્છતા વિશે સ્લોગન લખી વર્ગમાં અને અન્ય વર્ગોમાં પણ લગાવે.
ઑક્ટો.	પાઠ-૮ સ્વર્ણિમ ગુજરાત	- ગુજરાતની સંસ્કૃતિની ગૌરવગાથાને સમજે.	- કાવ્યગાન કરે, Mind Map બનાવે.
નવે.	પાઠ-૧૦ લોખંડી પુરુષ સરદાર પટેલ	- નીડરતા, સહનશીલતા, દેશપ્રેમ જેવા ગુણો વિકસે. મહાપુરુષોના બલિદાનને સમજે.	- દરેક વિદ્યાર્થી પોતાને ગમતાં નેતાનો ફોટો લાવી વર્ગમાં લગાવે.
ડિસે.	પાઠ-૯ નવરાત્રી પાઠ-૧૧ ચોકમાં દાણા - નિબંધ લેખન	- વિવિધ રાજ્યોમાં ઉજવાતા વિવિધ તહેવારોને જાણે. - જીવદયાની ભાવના કેળવાય. પક્ષીઓને દાણા અને પાણી આપવાના સંસ્કાર વિકસે.	- પાઠમાંથી '૧' અને '૨' માત્રાવાળા શબ્દો શોધે. - વિવિધ તહેવારો વિશે માહિતી આપતો ચાર્ટ બનાવે. - તૈયાર મળતાં માળાઓ લાવી વૃક્ષો પર ઊંચે લગાવડાવવા.
જાન્યુ.	પાઠ-૧૨ યાત્રાધામ-સોમનાથ - નિબંધ લેખન	- વિવિધ યાત્રાધામના સ્થળોનો પરિચય મેળવે.	- વિવિધ યાત્રાધામના સ્થળોના ફોટાઓ મેળવી તેના વિશે વર્ગમાં માહિતી રજૂ કરે.
ફેબ્રુ.	પાઠ-૧૩ વીરપુસ્વાળા જલારામ પાઠ-૧૪ જળથી જીવન પાઠ-૧૫ વૃક્ષરાજ	- સંતોના સાદગીપૂર્ણ જીવન અને તેમના લોકકાર્યનો પરિચય મેળવે. - જીવનમાં પાણીના મહત્વને સમજી પાણી બચાવવાની આવડત કેળવે. - પર્યાવરણ પ્રેમ અને વૃક્ષોના મહત્વને જીવનમાં સ્થાન આપે.	- સ્માર્ટ ક્લાસમાં ભગવાન સ્વામિનારાયણના જીવન પ્રસંગો બતાવવા. - દરેક વિદ્યાર્થી પાણી બચાવવાના ઉપાયો વિશે પાંચ - પાંચ વાક્યો લખે, કાવ્યગાન કરે. રોલ પ્લે - ચાર્ટ મેકીંગ
માર્ચ	પાઠ-૧૬ સંસ્મરણીય અમદાવાદ. - નિબંધ લેખન	- ગુજરાતના મુખ્ય શહેરોની માહિતી થી જાણકાર થાય.	'હું અમદાવાદનો રિક્ષાવાળો' - ગીત સંભળાવવું.

४. हिन्दी

Month	Topic	Concept	Activity
जून	१. पत्तों के खेल २. दान भावना	प्रकृति-प्रेम, वनस्पति की उपयोगिता आदि को जानेंगे । दया, मदद की भावना, मेहनत आत्मनिर्भरता आदि को जानेंगे ।	गायन स्पर्धा । कोलाज़ बनाना ।
जुलाई	३. अनोखा उपहार ४. मोर और चिड़िया	उपहार का महत्त्व, मित्रता पेड़-पौधो से लगाव, श्रम काल प्रेम, आत्म निर्भरता आदि को जानेंगे । पक्षी-प्रेम, दूसरों की भावनाओं का आदर करना ।	क्रियात्मरूप देना रोल प्ले ।
अगस्त	५. नन्ही बूंदे ६. आज मेरी छुट्टी है	प्रकृति-प्रेम, वैज्ञानिक दृष्टिकोण श्रम दूसरों को देना, आदि भावो का जाग्रत करना । वर्षा-चक्र, नियम पालन, शिष्टाचार कर्म का महत्त्व आदि को जानेंगे ।	चर्चा (विवाद) रोल प्ले
सितम्बर	७. बल्ब जला	संवेदनशीलता, पारिवारिक प्रेम साहस आदि को जानेंगे	पहेलियाँ
अक्तूबर	आओ कुछ करे ?	पत्र, चित्रपठन, अनुच्छेद लेखन	रचनात्मक गतिविधियाँ
नव.	८. दंत - कथा ९. देखकर चलो भाई	जिज्ञासा, कल्पनाशीलता आदि भावों को जानेंगे । कृतज्ञता, शिष्टाचार, संवेदनशीलता आदि भावों को जानेंगे ।	रोल प्ले प्राथमिक उपचार (फर्स्टएड बॉक्स)
दिस.	१०. पत्थर का पत्थर ११. ओणम	वैज्ञानिक दृष्टिकोण, भ्रमदूर करना सूझ-बूझ आदि भावों को जानेंगे । भारतीय संस्कृति का आदर पारिवारिक सामंजस्य	नाट्य - मंच, चित्र - पठन विचार विमर्श (एक मिनट गेम)
जनवरी	१२. इंद्रधनुषी गुलाब १३. प्यार भरा खत	सूझ-बूझ, विवेक, पेड़-पौधो से लगाव, आदि भावो का विकास करेंगे । संदेशो का आदान-प्रदान पारिवारिक प्रेम आदर पत्र कौशल का विकास करेंगे ।	वनस्पतियों के बारे में जानकारी एकत्र करना । संदेश व्यवहारके माध्यमों के बारे में जानकारी प्राप्त करना
फरवरी	१४. सुंदर कौन १५. बंदर-बाँट	हिम्मत, अपनी क्षमता पहचानना आत्मविश्वास आदि भावों को जानेंगे । गलती का अहसास, लालच न करना मिल - बाँट कर खाना	रोल प्ले । आदि भावों को जानेंगे ।
मार्च	आओ यह भी जाने	अन्यगतिविधियाँ	खेल-खेल में

Computer 4

SR.NO	Month	Topic	Concept	Activity
1.	Jun	Ch.1 Evolution of Computers	Students will learn about: History of computer Generations Of Computers.	Write a small note on history of computer.
2.	July	Ch.2 Hardware and Software Ch.3 Types of Computers	Students will learn about Hardware and Software. Types of software and function of software. Students will learn different types of computers and Characteristics of computer in details.	Cut various advertisements related to computer product published in the newspaper and makes their own price list in note book. Make a list of types of computer. 1. Super computer 2. Mainframe computer etc.
3.	Aug	Ch.4 The Brain Box: CPU Box Ch.5 More on Windows 7	Students will learn about: 1.CPU and its components. 2. Functions of CPU and Microprocessor. Students will learn about: 1.Operating system and Windows 7. 2. Parts and features of Windows 7.	Make a "CPU" in notebook and label it. Use all the functions of Windows 7 in Lab.
4.	Sep	Ch.5 More on Windows 7 REVISION SA 1	Continue...	
5.	Oct	Ch. 6 Introduction to MS Word 2010	Students will learn about: 1. MS Office and its family packages 2. Usage of MS Word 3. Different version of MS Word. 4. Layout and features of MS Word & short cut keys of MS Word	Write on a particular topic in MS Word. Draw and Label the parts of MS Word 2010
6.	Nov	Ch. 6 Introduction to MS Word 2010	Continue....	
7.	Dec	Ch.7 Editing Text in MS Word 2010	Students will learn about: Selecting text, add and remove text, copy and moving text, undo and redo, find and replace text, spell check	Write on a particular topic in MS Word.
8.	Jan	Ch.8 Introduction to MS PowerPoint 2010	Students will learn about: 1. MS Office and its family packages. 2. Use of MS PowerPoint. 3. Layout and features of MS PowerPoint.	Make a slide on a particular topic by using all the effects.
9.	Feb	Ch.9 More on LOGO	Students will be able to learn LOGO, its parts of LOGO and command for it. To make polygons with the help of LOGO.	To make various Polygons with the help of MSW LOGO. Practical of new commands of LOGO.
10.	Mar		Practice of MS Word, MS Power Point and MSW LOGO in Lab.	
			Revision SA 2	

Paper Style-4

Type of questions

*** Unit Test 1 : Ch. 1,2.....up to Hardware**

- Q.1 Fill in the blanks
- Q.2 Write true or false
- Q.3 Full forms
- Q.4 Choose the correct answer
- Q.5 Answer in the following questions

***SA 1 :Ch. 1, 2,3,4,5**

- Q.1 A. Fill in the blanks
B. Write true or false
- Q.2 A. Full forms
B. Match the following
- Q.3 Choose the correct answer
- Q.4 Answer the following questions
- Q.5 Short Notes

*** Unit Test 2 :Ch. 6,7**

- Q.1 Fill in the blanks
- Q.2 Write the short cut keys for the following
- Q.3 Answer in one word
- Q.4 Choose the correct answer.
- Q.5 Answer the following questions

***SA 2 :Ch. 5,6,7,8,9**

- Q.1 A. Fill in the blanks
B. Write true or false
- Q.2 A. Full forms
B. Match the following
- Q.3 A. Write down the full form of the following command/shortcuts
B. Write the commands for making the following polygons
- Q.4 A. Choose the correct answer
B. Answer in one word
- Q.5 Answer the following questions Or Write the use of the following functions

Note: Type of Questions are subject to change for all the Paper Styles.