

ENGLISH

TOPIC	LEARNING OBJECTIVE	ACTIVITY
-------	--------------------	----------

MARCH

<p><u>MCB –</u> LAUGH OUT LOUD Health and Medicine</p> <p><u>LITERATURE READER-</u> Two Gentlemen Of Verona The Frog and the Nightingale</p> <p><u>WORKBOOK-</u> Tenses Reported Speech</p>	<ol style="list-style-type: none"> 1. Present his/her original ideas in a coherent manner. 2. Narrate the incidents with proper usage of reported speech 3. Paraphrase any given line from the poem 	<p>Speaking in Group/ class/with partner, listening for correct details, writing a note, phrases, synonyms</p> <p>Data Interpretation Speech / Debate</p>
---	--	---

WEBLINKS : <http://www.poets.org/poetsorg/poet/t-s-eliot>

APRIL

<p><u>MCB –</u> Health and Medicine</p> <p><u>LITERATURE READER-</u> Mrs.Packletide’s Tiger</p> <p><u>WORKBOOK-</u> Active and Passive voice</p>	<ol style="list-style-type: none"> 1. Use passive voice appropriately during required circumstances 2. Answer the questions through attentive involvement in listening activities 	<p>Bio-sketch</p> <p>Listening Activity</p> <p>Article</p>
---	---	--

Reference Book/ Web link : <http://www.poets.org/poetsorg/poet/t-s-eliot>

MAY

<p><u>MCB –</u> Education</p> <p><u>LITERATURE READER-</u> 1. The Letter 2. Not Marble, nor the Gilded Monuments</p> <p><u>WORKBOOK-</u> 1. Determiners 2. Non-Finites</p>	<ol style="list-style-type: none"> 1. Write informal letters with proper understanding of the requirements 2. Venture into the genre of creative writing with prompts 	<p>Article writing Story writing</p> <p>Diary Entry Letter – formal /informal</p>
---	---	---

REFERENCE BOOK / WEB LINK: <http://en.wikipedia.org/wiki/Dhumaketu>

JULY

MCB –

Science

LITERATURE READER-

The Dear Departed

Mirror (poem)

Snake

WORKBOOK-

Relatives Comparison

1. Speak with proper diction, pronunciation and expression

2. Identify the peculiar characteristics of the characters of the play

3. Analyse statistical data in the form of a report

Role Play
Comparative Report
Listening Activity

Reference Book/ Web link : <http://www.examrace.com/Sample-Objective-Questions/Aptitude-Questions/Aptitude-Data->

AUGUST

MCB –

Environment

LITERATURE READER-

1. A Shady Plot

2. Julius Caesar

WORKBOOK

Modals

1. Write a proper email whenever required

2. Draw bio-sketches on the basis of the given clues

Notice

Bio- Sketch

E- mail

Reference Book/ Web link : <http://www.youtube.com/watch?v=EIJmOkVFGdI>

SEPTEMBER

REVISION

OCTOBER

FOOD FOR THOUGHT

Environment

LITERATURE READER-

Virtually True

The Rime of the Ancient

Mariner

WORKBOOK-

1. Conditionals

2. Avoiding Repetition

1. Apply the vocabulary taught in the class in his/ her writing

2. Write a descriptive passage expanding some bits of information

3. Write e- mails letters for various occasions

1. E-mail
2. Description
(People, places, events)
3. Dialogue Writing

WEBLINKS : https://www.youtube.com/watch?v=HFEGHZY1_sQ

NOVEMBER

MCB –

1. Travel and Tourism
Facing Challenges
National Integration

LITERATURE READER-

Patol Babu, Film Star
Ozymandias

WORKBOOK-

1. Nominalization

1. Interpret the given statistical data in the form of a report
2. Appreciate the poem with proper understanding of its poetic devices.

Data Interpretation
Dialogue Writing

Reference Book/ Web link : <http://www.youtube.com/watch?v=5EYNIOFjHU4>
http://www.youtube.com/watch?v=bpgKEe8_g6o

DECEMBER

REVISION

WEBLINK : <https://www.youtube.com/watch?v=Y6JGDyvXpbA>

REFERENCE BOOKS :

JANUARY / FEBRUARY

REVISION

HINDI

पाठ्यक्रम एवं पाठ्यसूची	शिक्षण उद्देश्य	गतिविधियाँ
अप्रैल		
पाठ्यसूची— पाठ-1 भूल गया है क्यों इन्सान पाठ-2 बड़ा दिन पाठ-3 अन्याय का विरोध	सांप्रदायिक सौहार्द के महत्व से परिचित करना। ईमानदारी के गुण सिखाना	एकता के भाव वाली कविता का कक्षा में वाचन गरीबों का शोषण विषय पर परिचर्चा
व्याकरण—भाषा, बोली और लिपि वर्ण—विचार और उच्चारण विलोम एवं पर्यायवाची संज्ञा, पत्र लेखन, अनुच्छेद लेखन	पत्र लेखन विधा से अवगत करना। शब्द भंडार में वृद्धि करना, वैचारिक लेख विधा से परिचय करना, भाषा, बोली और लिपि के अंतर को समझाना।	
मई		
पाठ्यसूची— पाठ-4 गुरु दक्षिणा	लघुता के महत्व से अवगत करना।	कक्षा में दोहावाचन
व्याकरण— सर्वनाम, अनेकार्थक शब्द , श्रुतिसमभिन्नार्थक शब्द, निबंध लेखन	शब्द भंडार में वृद्धि करना, वैचारिक लेख विधा से परिचय करना, सर्वनाम के प्रयोग की समझ बढ़ाना।	
जुलाई		
पाठ्यसूची— पाठ-5 बंधन का सुख पाठ-6 डर की दवा पाठ-7 उगते सुरज का देश	स्वतंत्रता के महत्व से अवगत करना, अहिंसा के महत्व को समझाना, जापान की सभ्यता संस्कृति से अवगत करना	आजाद रहने का हक सबको है, विषय पर परिचर्चा विश्व मानचित्र में जापान को अंकित करें।
व्याकरण— विशेषण, क्रिया, काल, अनेक शब्दों के लिए एक शब्द, पत्र लेखन, अनुच्छेद लेखन, अपठित गद्यांश	पत्र लेखन विधा से अवगत कराना, अभिव्यक्ति क्षमता का विकास करना, काल विभेद की क्षमता विकसित करना।	
अगस्त		
पाठ्यसूची— पाठ-8 उजाला पाठ-9 बापू का सपना	जीवन मूल्यों से अवगत करना, स्वच्छता के महत्व को बताना।	बल्ब के अविष्कार पर परिचर्चा
व्याकरण— उपसर्ग, प्रत्यय, समास, वचन, मुहावरे और लोकोक्ति, अपठित काव्यांश, पत्र लेखन, निबंध लेखन।	अभिव्यक्ति क्षमता का विकास करना। उपसर्ग, प्रत्यय प्रयोग में सक्षम बनाना, पत्र लेखन विधा से अवगत करना।	
सितम्बर		
पुनरावृत्ति		

अक्टूबर

पाठ्यसूची— पाठ—10 अरुणिमा सिन्हा पाठ—11 फसलो का त्योहार पाठ—12 दो कलाकार	जीवन मूल्यों को ग्रहण करने में, फसलों के महत्व से अवगत करना, दयालुता के गुण विकसित करना	पर्वतारोहण के लिए आवश्यक वस्तुओं की सूची बनाएँ फसलों का कोलाज बनाएँ
व्याकरण— कारक, क्रियाविशेषण, अपठित गद्यांश, पत्र लेखन, कहानी लेखन।	अभिव्यक्ति क्षमता का विकास करना, पत्र लेखन विधा से अवगत कराना।	

नवम्बर

पाठ्यसूची— पाठ—13 अंधेर नगरी पाठ—14 पद्य पाठ—15 भारत की वीरांगना : रानी लक्ष्मीबाई	नाट्य विधा से परिचित करना, भक्ति रस का असस्वादन करना, लक्ष्मी बाई के जीवन से परिचित करेगा।	मीराबाई का जीवन परिचय लेखन लक्ष्मीबाई के जीवन एवं बहादुरी पर परिचर्चा।
व्याकरण— संबंधबोधक, समुच्चयबोधक, विस्मयादिबोधक संवाद—लेखन, पत्र लेखन, अपठित पद्यांश	अभिव्यक्ति क्षमता का विकास करना, पत्र लेखन विधा से अवगत करना, अव्यय के प्रयोग से अवगत कराना।	

दिसम्बर

पाठ्यसूची— पाठ—16 झॉंसी की रानी पाठ—17 पंच—परमेश्वर पाठ—18 नव प्रभात	लक्ष्मी बाई की वीरता से अवगत करना, न्याय के महत्व को समझाना, प्रकृति की समझ बढ़ाना	चित्र के आधार पर कहानी लेखन सूर्योदय पर कविता लेखन
व्याकरण— वाक्य रचना, विराम चिह्न, अपठित काव्यांश, पत्र लेखन, निबंध लेखन, कहानी लेखन।	वाक्य विन्यास में सक्षम बनाना, अभिव्यक्ति क्षमता का विकास करना, पत्र लेखन विधा से अवगत करना।	

जनवरी , फरवरी**पुनरावृत्ति**

MATHS

TOPIC	LEARNING OBJECTIVE	ACTIVITY
-------	--------------------	----------

MARCH

<p>Ch-1 Real Numbers</p>	<p>To enable students to acquire the knowledge of rational and irrational numbers.</p>	<p>Euclid's division lemma, Fundamental theorem of arithmetic-statement, Proofs of results-irrationality of $\sqrt{2}, \sqrt{3}, \sqrt{5}$, Decimal expansion of terminating/non-terminating recurring decimals. -</p>
<p>Ch-2 Polynomials</p>	<p>-To acquire the knowledge of zeroes of a polynomial</p>	<p>Zeroes of the polynomial, relation between zeroes and coefficients of a quadratic polynomial and simple problems on division algorithm</p>

Reference Book/Weblink: <http://www.slideshare.net/jessaloretta1/france-ppt-3550716>

APRIL

<p>Ch-3 Linear Equation in two variables</p>	<p>To draw the graph and interpret it.</p> <p>To establish relationship among data.</p>	<p>Linear equation in two variables and their graphical solution, Geometric representation of different possibilities of solution /inconsistency. Algebraic conditions for number of solutions.</p>
<p>Ch-4 Quadratic Equations</p>	<p>To enable students to acquire knowledge of quadratic equations.</p> <p>To solve the quadratic equation by factorisation & by Quadratic formula.</p> <p>To determine the nature of the roots using discriminant.</p> <p>To translate different verbal statements into quadratic equations and solving them.</p>	<p>Standard form of a quadratic equation is $ax^2 + bx + c = 0$, ($a \neq 0$). solution of the quadratic equations, only real roots by factorisation and by completing the square & by using quadratic formula. Relationship between discriminant and nature of roots. Problems related to day to day activities to be incorporated.</p>
<p>Ch-5 Arithmetic Progressions</p>	<p>To determine the general term and sum of n terms of an A.P.</p>	<p>Motivation for studying A.P.</p> <p>Derivation of standard results</p> <p>Of finding the nth term & sum of first n terms and their application in solving daily life problems.</p>

Reference Book/Web link : http://.digitaldialects.com/French_verbs.htm

MAY

<p>Ch-6 Similar Triangles</p>	<p>To acquire knowledge and understanding of various theorems on triangles</p> <p>To identify the Interrelationship between different parts of the problems.</p>	<p>Definitions, examples, counter examples of similar triangles.</p> <p>1. (Prove) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third sides.</p> <p>2. (Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third sides.</p> <p>Trigonometric ratio of an acute angle of a right angled triangle. Proof of their existence, Motivate the ratio, whichever are defined at 0° and 90° values, with proofs, of the trigonometric ratios of 30°, 45° and 60°. Relationships between the ratios.</p>
<p>Ch-7 Introduction to Trigonometry</p>	<p>To acquire the knowledge of trigonometric ratios.</p> <p>To acquire knowledge of complementary angles.</p> <p>To solve trigonometric identities.</p>	<p>Trigonometric ratio of an acute angle of a right angled triangle. Proof of their existence, Motivate the ratio, whichever are defined at 0° and 90° values, with proofs, of the trigonometric ratios of 30°, 45° and 60°. Relationships between the ratios.</p>

Reference Book/Weblink: www.byki.com/lists/french/common-adjectives.html

JULY

<p>Ch-8 Statistics</p>	<p>To acquire the understanding of elementary idea of mean, median and mode.</p> <p>To acquire knowledge of cumulative frequency graph</p>	<p>Mean, median and mode of grouped data, cumulative frequency graph.</p>
<p>Ch-9 Some Applications of Trigonometry (Heights and Distances)</p>	<p>Simple and believable problems on heights and distances</p>	<p>Simple and believable problems on heights and distances</p>

Reference Book/Weblink: http://www.digitaldialects.com/French_verbs.htm

AUGUST

<p>Ch-10 Coordinate Geometry (in two dimensions)</p>	<p>To acquire the understanding of elementary idea of lines, Area of a triangle. Coordinate geometry. Section formula.</p>	<p>Review the concepts of coordinate geometry done earlier including graphs of linear equations. Awareness of geometrical representation of quadratic polynomials. Distance between two points and section formula. Area of triangles.</p>
<p>Ch-11 Constructions.</p>	<p>To handle geometrical instruments with ease and proficiency.</p> <p>To construct geometrical figures accurately.</p>	<p>-Division of a line segment in a given ratio</p> <p>--Construction of a triangle similar to a given triangle</p>

Reference Book/Weblink : [http://www.digitaldialects.com/French_verbs_Conj_2 .htm](http://www.digitaldialects.com/French_verbs_Conj_2.htm)
Regular and Irregular Verbs

SEPTEMBER

REVISION

Reference Book/Weblink : http://www.digitaldialects.com/French_verbs_Conj_2_.htm

OCTOBER

Ch-12 Circles , Tangent

To enable the students to apply the knowledge of various theorems.

To know angle of elevation and depression.

Tangents to a circle motivated by chords drawn from points coming closer and closer to the point.

1. (Prove) the tangent at any point of a circle is perpendicular to the radius through the point of contact.**2. (Prove)** The lengths of tangents drawn from an external point to a circle are equal.

Reference Book/Weblink : http://www.digitaldialects.com/French_verbs.htm

NOVEMBER

Ch-13 Area related to Circles

To enable the students to acquire the knowledge of sectors & segments of a circle.

Ch-14 Surface area and Volumes

To enable the students to acquire the knowledge of inter conversion of solids. Frustum of a cone. Combination of solids

Motivate the area of circles, area of sectors & segments of a circle. Problems based on area and perimeter/circumference of the above said plane figures (in calculating area of segment of a circle, problem should be restricted to central angle of 60° , 90° and 120° only.)

Plane figures involving triangles, simple quadrilaterals and circle should be taken. Problems on finding surface area & volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinder/cones. Frustum of a cone Problems involving converting one type of metallic solid into another and other mixed problems.

Reference Book/Weblink : <http://www.digitaldialects.com/French/Food.htm>

DECEMBER

Ch-15 Probability

To acquire the knowledge of probability, elementary idea of probability as a measure of uncertainty.
To know the favourable outcomes

Definition of probability.
Connection with probability as given in class IX. Simple problems on simple events, not using set notation

Reference Book/Weblink : http://www.digitaldialects.com/French_verbs_Conj_1.htm.

JANUARY

REVISION

SCIENCE

TOPIC	LEARNING OBJECTIVE	LAB ACTIVITY
MARCH		
<p>CHEMISTRY Ch-1 Chemical Reactions And Equations</p> <p>BIOLOGY Ch-6 Life Processes</p>	<p>Write balanced equation List the types of chemical reactions and explain them giving examples Write the factor of corrosion.</p> <p>Write the importance of different life processes. Define nutrition and its types. Explain the whole process of nutrition, respiration, transportation and excretion in human beings Explain the process of making food, transportation of food and water, respiration, excretion of wastes in plants</p>	<p>To perform and observe the given reactions and classify them. To observe the effect of Zn, Fe, Cu and Al metals Arrange the above metals in decreasing order of reactivity based on the above results</p> <p>To prepare the temporary mount of a leaf peel to show stomata To show experimentally that light is necessary for photosynthesis To show experimentally that carbon dioxide is released during respiration</p>

WEBLINK : <http://www.save-food.org/>, <http://en.wikipedia.org/wiki/corrosion>
<https://www.simplylearnt.com/topic/classification-of-material>

REFERENCE BOOKS- universal science, ABC of science

APRIL

<p>PHYSICS Ch- 13 Magnetic effects of current</p> <p>CHEMISTRY Ch-2 Acids, Bases and Salts</p> <p>BIOLOGY Ch-7 Control and co-ordination in animals and plants</p>	<p>Define magnetic field and field due to current Identify the direction of current and magnetic field using right hand thumb rule State and apply Fleming's Left had rule</p> <p>Write the examples of natural indicators and their colour change in different medium. Define the term pH in terms of H⁺ Explain the physical and chemical properties of acids and bases.</p> <p>To study reflex action in humans To study phototropism in plants Describe the importance of variation</p>	<p>Observation of magnetic field lines</p> <p>To find the pH of the given samples using pH Paper/universal indicator. To study the properties of acids</p>
---	--	--

WEBLINK <http://www.save-food.org/>, <https://www.youtube.com/watch?v=Yah4tJarBxs>

REFERENCE BOOKS - universal science, ABC of science

MAY

<p>Physics Ch-14 Sources of energy</p>	<p>Discussion on environmental consequences of Traditional sources of energy, fossil fuels, hydro- energy, wind, solar and nuclear energy</p>	<p>List the characteristics of good source of energy Define fossil fuels and explain the pollution Utilize some of the renewable sources of energy Explain the improvements in the technology.</p>
---	---	--

<p>CHEMISTRY Ch-3Metals and non-metals</p>	<p>Differentiate between physical and chemical properties of metals and non-metals Explain the reaction between metals and non-metals to form ionic compounds. Define metallurgy and explain the extraction of metals from their ores</p>	<p>To study the chemical properties of metals</p>
<p>BIOLOGY Ch- 8 How do Organisms Reproduce?</p>	<p>Distinguish between sexual and asexual reproduction Explain different modes of asexual reproduction and vegetative reproduction Explain the sexual reproduction</p>	<p>Draw a labelled diagram of neuron and brain Explain reflex action Explain how nerve impulse travels? study binary fission in Amoeba and budding in yeast with the help of prepared slides</p>

WEBLINK - <https://www.youtube.com/watch?v=d6Xi7xHloeU>,
https://www.wiley.com/legacy/Australia/.../SQ7.../c05SeparatingMixtures_WEB.pdf
<https://www.youtube.com/watch?v=sU6iedellGQ>
www.sikeston.k12.mo.us/mapattack/2nd/gentry07.ppt

REFERENCE BOOKS :Universal science, ABC of science

JULY

<p>PHYSICS Ch-10 Light-Reflection And Refraction</p>	<p>Explain reflection Distinguish between concave and convex mirrors and explain the uses and characteristics of images formed by two types of mirrors with the help of ray diagrams Solve numerical based on mirror and lens formula and magnification Explain refraction and its laws Explain refraction through a rectangular glass slab and glass prism</p>	<p>To determine the focal length of concave mirror and convex lens by obtaining the image of a distant object To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence To trace the path of the rays of light through a glass prism To find the image distance for varying object distances in case of a convex lens and draw the ray diagrams to show the nature of image formed</p>
<p>CHEMISTRY Ch- 4 Carbon And Its Compounds</p>	<p>Explain the covalent bond with examples Give the reason for occurrence of abundant compounds of carbon. Define catenation Differentiate between saturated and unsaturated compounds. Name the compounds of carbon with different functional groups. Define homologous series.</p>	<p>To study the properties of acetic acid (ethanoic acid) To study the saponification reaction for preparation of soap To study the comparative cleaning capacity of a sample of soap in soft and hard water</p>

WEBLINK : <https://www.youtube.com/watch?v=k6o2X3VH1Gs>
www.testlabz.com/modelpapers/5_16_58_620.pdf

REFERENCE BOOKS : universal science, ABC of science

AUGUST

PHYSICS
Ch- Electricity

Understand the concept of circuit and its functioning
Designing the circuit in parallel series
Solve the numerical problem based on electric current and resistance

Find the resistance of given wire with different parameter

BIOLOGY

Ch-9 Heredity and Evolution

Define heredity and rule of inheritance of traits.
State and explain the laws of dominance and independent assortment

To study homology and analogy with the help of models/charts of animals and plants
To identify the different parts of an embryo of a dicot seed.

SEPTEMBER

REVISION

OCTOBER

CHEMISTRY

Ch-5
Periodic Classification of Elements

Write the importance of classification
Explain the modern periodic table
Write the gradation in properties along the groups and periods. (atomic size, valency, metallic and non-metallic properties.)

Multi coloured chart of the modern version of the periodic table of elements showing clearly the mass numbers and atomic numbers of the elements

BIOLOGY

Ch- 16 Management of Natural resources

Explain the three R's to save the environment
Explain the meaning of sustainable management with the help of examples.
Give a brief account of Chipko movement

Study the rainfall pattern in different parts of India.
Discussion on ecological stability and environmental organisations.
Discussion on importance of study of food chains.

WEBLINK: [http://en.wikipedia.org/wiki/motion_\(physics\)](http://en.wikipedia.org/wiki/motion_(physics))
<https://www.youtube.com/watch?v=O5Lr-XxB-5M>

REFERENCE BOOKS : universal science, ABC of science

NOVEMBER

PHYSICS

Ch-11
Human Eye And Colourful World

Draw labelled diagram of an eye and explain the function of different parts.
Explain power of accommodation
Explain dispersion of white light and natural phenomena based on scattering of light

To show binocular vision is essential for judging distances

BIOLOGY

Ch-15
Our Environment

Write the meaning of ecosystem and its components
Explain the interaction of biotic and abiotic components
Define trophic levels.

To find the blind spot of your eye
To show that spectral colours can be recombined to form white light

DECEMBER- JANUARY

REVISION

SOCIAL SCIENCE

TOPIC	LEARNING OBJECTIVE	ACTIVITY/MAP WORK
-------	--------------------	-------------------

MARCH

<p>HISTORY Ch-1 Urbanization and urban lives</p>	<p>Show the difference between urbanization in two different</p>	<p>Make a collage of natural & man-made resources</p>
<p>GEOGRAPHY Ch-1 Resources and Natural Resources</p>	<p>Understand the value of resources and the need for their judicious utilisation and conservation Identify various types of farming and discuss the various farming methods</p>	<p>Make a PPT on Indian Economic development is not uniform.</p>
<p>ECONOMICS Ch- 1 The Story of Development</p>	<p>Familiarisation of some macroeconomic concepts How and why people should be healthy and provided with education</p>	<p>Map Work- Modern Cities</p>

WEBLINKS : http://www.castles.org/kids_section/castle, <http://www.youtube.com/watch>

REFERENCE BOOKS :-LONGMAN VISTAS

APRIL

<p>CIVICS Ch-1 Power Sharing</p>	<p>Analyse the relationship between social cleavages and political competition with reference to Indian situation</p>	<p>Make a scrap book on national parties of India</p>
<p>Ch-2 Federalism</p>	<p>Analyse federal provisions Understand the new Panchayati Raj institutions in rural and urban</p>	
<p>GEOGRAPHY Ch-5 Agriculture</p>	<p>Understand the importance of agriculture in national economy Understand the importance of agriculture in national economy</p>	<p>Make two page project on implication of Green Revolution</p>

WEBLINKS : [link:http://www.castles.org/kids_section/castle](http://www.castles.org/kids_section/castle)<http://www.youtube.com/watch>

REFERENCE BOOKS : LONGMAN VISTAS

MAY

<p>CIVICS Ch-3 democracy and diversity</p>	<p>Understand the enabling and disabling effects of caste and ethnicity in politics. Understand the vital role of struggle in the expansion of democracy</p>	<p>Survey on Gender Equality</p>
<p>GEOGRAPHY Ch-4 Water Resource</p>	<p>Understand the importance of water.</p>	
<p>ECONOMICS Ch-2 Sectors of the Indian Economy</p>	<p>Familiarize the concept of money as an economic concept Create awareness of the role of financial institutions from the point of view of day-to-day life.</p>	

WEB LINK : <http://www.youtube.com/watch>, <http://green.nationalgeographic.com>

REFERENCE BOOKS : LONGMAN VISTAS

JULY

CIVICS

Ch-4 Gender, religion and caste

Analyse party systems in democracies
Introduction to major political parties in the country.

Paragraph Writing on importance of Rainfall on Indian Agriculture

ECONOMICS

Ch-3 Money and Credit

Familiarize the concept of money as an economic concept
Sensitise the learner of how and why governments invest in such an important sector

Collage of Different forms of Money

WEB LINK : http://www.lotussculpture.com/bronze_sculpture
<http://www.youtube.com/watch>

REFERENCE BOOKS : LONGMAN VISTAS

AUGUST

HISTORY

Ch-3 Nationalism in India :Civil Disobedience Movement)

ideals of different political groups and individuals, notably Mahatama Gandhi

Make a collage on freedom fighters

Ch-5 Popular struggles and movements

Develop a gender perspective on politics

CIVICS

Ch-6 Political Parties

Introduce students to the centrality of power sharing in a democracy

Make a chart depicting diff b/w democracy & dictatorship

SEPTEMBER- REVISION

WEBLINK : <http://kids.asiasociety.org/stories/king-stands>
www.kidsgeo.com/geography.../0046-hydrosphere.php

REFERNECE BOOKS : LONGMAN VISTAS

OCTOBER

HISTORY

Ch-1 Nationalism in Europ

Discuss various types of minerals as well as their uneven nature of distribution and explain the need for their judicious utilisation

Assignment on Italian Unification

CIVICS

Ch-4 Outcome of Democracy

Introduction to the difficult question of evaluating the functioning of democracies
Develop the skills of evaluating Indian democracy on some key dimensions: development, security and dignity for the people.

Picture Study on Political parties

GEOGRAPHY

Ch-6,7 Mineral and Power Resources

Discuss various types of minerals as well as their uneven nature of distribution and explain the need for their judicious utilisation

Map Work- Location of Different mineral & Energy Resources

WEB LINK : <http://prabhu.50g.com/earliest/punchmrk.html>

REFERNECE BOOKS : LONGMAN VISTAS

NOVEMBER

CIVICS

Ch-5 Challenges to democracy

Reflect on the different kinds of measures possible to deepen democracy
Promote an active and participatory citizenship

GEOGRAPHY

Ch-8 Manufacturing Industries

Discuss the importance of industries in the national economy as well as understand the regional disparities which resulted due to concentration of industries in some areas

Make A Flow Chart on Transformation of Goods From Primary to Secondary

ECONOMICS

Ch- Globalisation

Provide children with some idea about how a particular economic phenomenon is influencing their surroundings and day-to-day life.

WEB LINK : [www.inentrance.com/general knowledge/history](http://www.inentrance.com/general%20knowledge/history)
http://en.wikipedia.org/wiki/geography_ofindia

REFERNECE BOOKS : LONGMAN VISTAS

DECEMBER

GEOGRAPHY Ch- 9
Transport, communication and trade

To explain the importance of transport and communication in the ever shrinking world
To understand the role of trade in the economic development of a country
Making the child aware of his or her rights and duties as a consumer
Familiarizing the legal measures available to protect from being exploited in markets

Map Work: Different road & Railway network

ECONOMICS

Ch-5 Consumer Awareness

Make a Survey on Consumer Rights

JANUARY

REVISION

COMPUTER

TOPIC	LEARNING OBJECTIVE	LAB ACTIVITY
MARCH		
Ch-1 Introducing Internet Network Internet History of Internet Uses and advantage of internet Web Server, Web Browser, URL Ch-2 Internet Services Search Engine Finding People on Internet, E-Mail	<ul style="list-style-type: none"> • To know Internet • To use Internet to find data • To define Web Server, Web Browser, URL <ul style="list-style-type: none"> • To use Search Engine to find the information • To Finding People on Internet • To use E-Mail facility 	Surfing on the net to get information Finding People on Internet Sending E-Mail

Reference Book- Computer Science

web link: <https://en.wikipedia.org/wiki/Internet>

APRIL

Ch-3 OpenOffice.org Base Database Database Management System and its components Designing of Database Advantage of database	<ul style="list-style-type: none"> • To understand the importance of DBMS in daily life as well as in managing data • To Design database 	Designing database in Base
--	--	----------------------------

Reference Book- Computer Science

web link: https://en.wikipedia.org/wiki/Microsoft_Access

MAY

Ch-4 Working with Tables Creating and managing Table in Base	<ul style="list-style-type: none"> • To create and manage table in Base 	
--	--	--

Reference Book- Computer Science

web link: https://en.wikipedia.org/wiki/Microsoft_Access

JULY

Ch-5 Query in Base Creating Query Setting	<ul style="list-style-type: none"> • To create Query in Base using three different way 	
--	---	--

Reference Book- Computer Science

web link: https://en.wikipedia.org/wiki/Microsoft_Access

AUGUST

Ch-6 Understanding HTML History and characteristics of HTML Describing Tags Creating HTML program	<ul style="list-style-type: none"> • To create HTML program using various tags 	creating HTML program using various tags
---	---	--

Reference Book- Computer Science

web link: <http://www.w3schools.com/html/>

SEPTEMBER

REVISION

OCTOBER

Ch-7 Using List and Images

Ordered List
Nested List

- To create different types of list in HTML

Creating HTML program

Ch-8 Links, Anchors and Tables in HTML

Anchor Elements
Internal and External Linking
Hyperlink
Table in HTML

- To use Anchor elements in HTML program
- To create link between documents.

Creating HTML program to create link

Reference Book- Computer Science

web link: <http://www.w3schools.com/html/>

NOVEMBER

Ch-9 XML

Difference between XML and HTML
Prolog
Root elements
XML attributes
XML elements
Comments in XML

- To explain difference between XML and HTML
- To explain how prolog in important part of xml program
- To use comment in XML
-

Designing XML program using various XML elements

Ch-10 Societal Impact of IT

ICT and its benefits
Impact of ICT
Security and integrity of information
Software Piracy
Careers in IT

Reference Book- Computer Science

web link: <http://www.w3schools.com/xml/>

DECEMBER

JANUARY-FEBRUARY

G.K.

APRIL

TOPIC

LEARNING OBJECTIVE

THE NATURAL WORLD

Fabulous fish, Itsy bitsy insects, Knowing reptiles, Around the World, Water plants, Animal myths busted, Unique nature

- Know different kinds of mammals their characteristic.
- Appreciate Facts about our nature & plant.
- Gain a sense of symbiotic features, desert land around the world.

MAY

SCIENCE AND TECHNOLOGY

Keeping time, Making life easier, Measure for measure, the flying machines, Space quiz, The virtual world, Gadgets and gizmos, Kaleidoscope, Phenomenal Physics, Bio knowhow, Earth tremor

- List and name space mission,
- Geniuse scientist understand deficiency disease
- List means of measure under human body

JULY

THINGS AROUND ME

Guzzle puzzle, Nature's fury, National parks, Better living, Ecologically speaking

- The effect of various Natural disasters like Earthquakes, tsunami, Hurricanes, Tornadoes etc.
- Identify cuisines of different countries

AUGUST

NUMBER SKILL

Riddle me numbers, Brain teasers, Sudoku challenge

- Answer the riddle
- Challenge your mind

SEPTEMBER

SPORTS

Sporty knowhow, Games galore, Learning lawn tennis

Recall great women sports person, sports rules. "know mace about wrestling Appreciate India strategy, sporting spirits and strategies. Recall the name and legends of Olympic. Understand unique sports

OCTOBER

LANGUAGE AND LITERATURE, LEGENDS AND

MYTHS Poetic identity, Writing poetry, Unscramble the proverbs, The puppy's story, Story time, Mythical creatures, Does this sound right?, In fantasyland, Voices around the world, Name me a name

- **Name the famous poets**
- **Story time**
- **List the various proverbs**
- **Name the famous singers around the world**

NOVEMBER

ART AND MUSIC

Sports in films, Folk art, Fashionistas, Be a trend setter, Entertainment awards, Jam session, Creative crafts, Child actors

- **Give an Example of Grid legends, stories, books and authors**
- **Appreciate the autobiographies proverb of famous writer**
- **List and name famous cartoon characters.**

DECEMBER

THE WORLD AROUND US World tour, As we know them, Dressing sense, Ladies who stand tall, City hopping, Records in India, Governing system, Engineering marvels, Close to nature, Trip to the museum, In ancient times, Leaders of an era, Knowing western India, We honour them

- **Know the leaders of an era**
- **Know about the Governing system**
- **Learn how should be your dressing sense**
- **Appreciate the culture of Western India**

JANUARY

FEBRUARY

PHYSICAL EDUCATION

TOPIC

LEARNING OBJECTIVE

APRIL & MAY

Cricket

- Batting Skills
 1. Grip of the bat.
 2. Stance
 3. Defence
 4. Drive
- Bowling skills
 1. Grip of the ball
 2. Arm Action
 3. Run up
- Fielding skills
 1. Throwing
 2. Diving
- Inter house Cricket tournament
- Inter house tug of war competition.

- Students will learn the basic skills of the game.
- Leadership quality will be developed in the students.
- Students will learn how to work in team.
- Competitive skills will develop in the children through match practice.
- Encourage physical fitness.

JULY

Yoga

- Asana
 1. Standing Asana
 2. Sitting Asana
 3. Lying Asana
 4. Meditative Asana
- Pranayama
- Inter House yoga championship

- Yoga increases the flexibility of the students.
- Through yoga practice students will remain fit.
- Competitive skills will develop in the students through inter house yoga competition.

AUGUST

Football

- Kicking Skills
 1. Kicking from inside of the foot
 2. Kicking from Instep of the foot.
- Receiving & Trapping skills
 1. Receiving a grounded ball
 2. Receiving Air ball
- Heading Skills
- Goal keeping skills
- Inter House Football Tournament

- Students will learn the basic skills of the game.
- They will learn how to play the game.
- Leadership quality will be developed in the students.
- Students will learn how to work in a team.
- Competitive skills will develop in the children through match practice.

SEPTEMBER

Physical fitness test

- Speed test
- Endurance test
- Flexibility test
- Strength test

- We will check the fitness level of the students through practical tests.

OCTOBER

Volleyball

- Service skills
 1. Under arm Service
 2. Tennis service
- Receiving skills
- Smashing Skills
- Blocking Skills

- Students will learn the basic skills of the game.
- Leadership quality develops in students.
- Competitive skills will develop in children through match practice.

NOVEMBER

Sports day

Athletics

- Running Event
 1. Starting Technique
 2. Arm Action
 3. Finishing Technique
- Throwing Event
 1. Stance/Style/Grip
 2. Placement
 3. Releasing
- Jumping Event

- Students will learn the basic Technique of the different events mentioned.
- They will learn the techniques of the events.
- Students will learn how to work in a team.
- Competitive skills will develop in the children through Races.

DECEMBER

Table Tennis

- Stance
- Grip of the racket
 1. Shake hand Grip
 2. Pen Hold Grip
- Service
 1. Fore-hand Service
 2. Back-hand service
- Returning Skills
- Attacking skill
- Inter House Table Tennis Competition

- Students will learn the basic skills of the game.
- They will learn how to play the game.
- Students will learn how to work in a team.
- Competitive skills will develop in the children through match practice.

JANUARY

Badminton

- Stance
- Grip of the racket
- Service
- Tossing
- Dropping
- Smashing
- Inter House Badminton Tournament

- Students will learn the basic skills of the game.
- They will learn how to play the game.
- Students will learn how to work in a team.
- Competitive skills will develop in the children through match practice.

FEBRUARY

Physical fitness test

- Speed test
- Endurance test
- Flexibility test
- Strength test

- We will check the fitness level of the students through practical tests.

DANCE

- D – Do your personal best**
- A - Always show respect**
- N – Negativity is unacceptable**
- C – Come prepared**
- E - Everyone and their ideas are important**

TOPIC

LEARNING OBJECTIVE

APRIL & MAY

Basic movement

- Hand movements
- Shoulder movements
- Leg movements
- Neck movements
- Belly movements

- Students will learn the basic movements of the dance form.
- They will learn how to feel the music and do the steps in rhythm.

JULY & AUGUST

Patriotic Song

- Expressions
- Movements with props
- Patriotism
- Leadership

- Students will learn how to dance with props.
- They will learn how to give expressions according to lyrics/dance form.

OCTOBER & NOVEMBER

Group Drills

- Movement with prop
- Synchronization
- Formation

- Students will learn how to dance in different formation in a synchronized manner.

DECEMBER & JANUARY

Patriotic song

- Expressions
- Movements with props
- Patriotism
- Leadership in formation

- Students will learn how to dance with props.
- They will learn how to give expressions according to lyrics/dance form.

DRAWING

TOPIC

LEARNING OBJECTIVE

APRIL-JULY

ART BOOK

- Basic elements of art
- Drawing material
- Method of drawing and sketching
- Method of painting
- Method of print making
- Sculpture

CRAFT WORK (purpose-holiday home work)

- Decorative Kite
- Tile painting

ART BOOK/FILE

Object based exercises

- Fruits & vegetables
- Birds
- Animals
- Reptiles

They acquire knowledge of the *fundamentals of art* and design, gain experience with the required tools, materials and techniques for making *art* and design

Creative drawing skills will improve.

Creative drawing skills will improve.

AUGUST

CRAFT WORK

- Bottle art
- Gift box with news paper in tri-colour.

ART BOOK

Objective drawing step by step

- Fruit (step by step)
- Vegetable (step by step)

Art file

- Fruit composition
- Vegetable composition
- Object and arrangement

CRAFT WORK

Mosaic art (photo frame)

Learn to create usable objects from waste material.

Creative drawing and colouring skills will improve

Learn to create usable objects from waste material.

OCTOBER

Art book/file

- Parts of face
- portrait
- Figures (lines and blocks)
- Cartoon drawing
- Snake charmer
- Memory drawing-village scene

Craft work

- Diya decoration
- Card envelope

Creative drawing and colouring skills will improve

learn to create usable objects from waste material

NOVEMBER

ART BOOK/FILE

Tradition based exercises-

- Festivals (how to draw)
- Story board
- Historical monuments
- Freehand pattern designs
- mendhi

Craft work

- sports day(craft work)

Creative drawing and colouring skills will improve

Developing new ways of thinking, and creating.

DECEMBER

ART BOOK/FILE

Environment based exercises

- Flowers (draw and colour)
- Tree study (pencil,brush,ink pen,and sketch pens)
- Landscape step by step(pencil,poster,pastel)
- Birds drawing(pencil,brush,ink pen)

Craft work

- Christmas (craft work)

Creative drawing and colouring skills will improve.

Students will learn about the folk art

learn to create usable objects from waste material

JANYUARY

ART BOOK/FILE

Experience based exercises

- Paper collage /photo collage
- Spray-air blow techniques
- Marbling and frottage
- Poster

Creative drawing and colouring skills will improve.

They will also learn different techniques

learn to create usable objects from waste material

FEBRUARY REVISION