

# ENGLISH

TOPIC	LEARNING OBJECTIVE	ACTIVITY
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## APRIL

<p><b><u>Main Course book</u></b> 1.1 The magic pen 1.2 The magic pen(Teacher's pest) <b><u>Literature Reader</u></b> 1. Heidi feels homesick <b><u>Workbook</u></b> 1. Worksheet-1</p>	<p>The child would be able to: Present his/her original ideas in a coherent manner Read and understand the chapter Write the answers to the questions based on their understanding of the chapter Recite the poem Comprehension New words</p>	<p>Recite the poem (Teacher's pest)  Enacting phone conversation</p>
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**REFERENCE BOOK: The Oxford Guide To English Grammar /NCERT Solutions/ Essential English Grammar**

**WEBLINKS :** [www.ego4u.com/en/cram-up/grammar](http://www.ego4u.com/en/cram-up/grammar)

## MAY

<p><b><u>Main course book</u></b> 2.1 The friendship <b><u>Literature Reader</u></b> 2.Habits <b><u>Workbook</u></b> 2. Worksheet-2</p>	<p>Elucidate upon a given topic with proper diction and fluency Talk and discuss about the topics in the chapter coherently. Recite the poem  Appreciate/recite the poem</p>	<p>Descriptive Writing  Tongue twisters</p>
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## JULY

<p><b><u>Main course book</u></b> 2. The friendship(My tree) 3. A country childhood <b><u>Literature Reader</u></b> 3. Siddhartha saves the swan 4. Alice feels puzzled <b><u>Workbook</u></b> 3. Worksheet-3</p>	<p>Each child would be able to: Involve himself/herself attentively in listening activities Express their ideas coherently Answer questions based on their understanding of the chapter. Comprehension Appreciate/recite the poem and enhance the oral skill Will learn various ways about personality development</p>	<p>One minute oral presentation  Recite a poem (My Tree)</p>
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TOPIC	LEARNING OBJECTIVE	ACTIVITY
<b>AUGUST</b>		
<p><b><u>Main course book</u></b>  4. Robots don't lie (The owl)  6. The balloon-seller  8. A robbery</p> <p><b><u>Literature Reader</u></b>  5. The snail</p> <p><b><u>Workbook</u></b>  4. Worksheet-4  5. work sheet -5</p>	<p>Enhance their grammar vocabulary and writing skill</p> <p>Appreciate/recite the poem and enhance the oral skill</p> <p>Will learn about honesty and its best policy</p>	<p>Recite a poem(The Owl)</p> <p>Quiz on Books and authors</p>
<b>REFERENCE BOOK : The Oxford Guide To English Grammar /NCERT Solutions/ Essential English Grammar</b>		
<b>WEBLINKS : <a href="http://www.eslbase.com/grammar-pronouns">www.eslbase.com/grammar-pronouns</a> / <a href="http://www.englishclub.com/grammar/verb-tenses_future.htm">www.englishclub.com/grammar/verb-tenses_future.htm</a></b>		
<b>SEPTEMBER</b>		
<b>REVISION</b>		
<b>OCTOBER</b>		
<p><b><u>MCB</u></b>  6.A robbery(Thomas Alva Edison)  7. The angry dragon  8. Our wonderful brain</p> <p><b><u>Literature Reader</u></b>  7. The white elephant</p> <p><b><u>Workbook</u></b>  6. Worksheet-6</p>	<p>Elucidate upon a given topic with proper diction and fluency  Talk and discuss about the topics in the chapter coherently.</p> <p>Enhance their vocabulary and oral skill</p>	<p>Recite the poem (Thomas Alva Edison)</p> <p>Group Activity (Spell-bee)</p>
<b>REFERENCE BOOK : The Oxford Guide To English Grammar /NCERT Solutions/ Essential English Grammar</b>		
<b>WEBLINKS : <a href="http://www.ego4u.com/en/cram-up/grammar">www.ego4u.com/en/cram-up/grammar</a></b>		
<b>NOVEMBER</b>		
<p><b><u>Main Course Book</u></b>  6. Our wonderful brain( The world from a railway carriage)  9. Tenali paints a horse</p> <p><b><u>Literature Reader</u></b>  8.Kind Words  9. Caught in a storm!</p> <p><b><u>Workbook</u></b>  7. Worksheet-7</p>	<p>Organize his/her ideas and speak coherently with proper diction and fluency.  Use his/her creative faculties while writing a story</p> <p>Appreciate/recite the poem and enhance the oral skill</p>	<p>Recite The poem(The world from a railway carriage)</p> <p>Using Idiomatic expression</p>
<b>REFERENCE BOOK : The Oxford Guide To English Grammar /NCERT Solutions/ Essential English Grammar</b>		
<b>WEBLINKS : <a href="http://grammaronstaer.com/lessons/adjectives_compound_adjectives.htm">grammaronstaer.com/lessons/adjectives_compound_adjectives.htm</a> / <a href="http://www.edufind.com/english/grammar/adverbs_menu.php">www.edufind.com/english/grammar/adverbs_menu.php</a></b>		

TOPIC	LEARNING OBJECTIVE	ACTIVITY
<b>DECEMBER</b>		
<p><b><u>Main Course Book</u></b>            10. Uncle Ken at the wicket            10. Uncle Ken at the wicket (The first tooth)</p> <p><b><u>Literature Reader</u></b>            10. The Green Cornfield            11. Tenali Raman and the two thieves</p> <p><b><u>Workbook</u></b>            8. Worksheet-8            9. Worksheet-9</p>	<p>Appreciating the poem</p> <p>Appreciate/recite the poem            Enhance the writing skill and Vocabulary</p>	<p>Recite the poem (The first tooth)            Descriptive writing</p>
<p><b>WEBLINK :</b> <a href="http://www.ego4u.com/en/cram-up/grammar">www.ego4u.com/en/cram-up/grammar</a></p>		
<p><b>REFERENCE BOOKS :</b> The Oxford Guide To English Grammar / NCERT Solutions / Essential English Grammar</p>		
<b>JANUARY</b>		
<p><b><u>Main Course Book</u></b>            11. The little Icelanders</p> <p><b><u>Literature Reader</u></b>            10. On a Saturday morning            11. Full moon</p> <p><b><u>Workbook</u></b>            8. Worksheet-10            9. Worksheet-11</p>	<p>Organize his/her ideas and speak coherently with proper diction and fluency.            Use his/her creative faculties while narrating a story            Present his/her own ideas and opinions and analyse other person's views            Appreciate the poems critically            Enhance theoretical skill and Vocabulary</p>	<p>Recite the poem (The first tooth)            Descriptive writing</p>
<b>FEBRUARY</b>		
<b>REVISION</b>		

## HINDI

पाठ्यक्रम एवं पाठ्यसूची	शिक्षण उद्देश्य	गतिविधियाँ
<b>अप्रैल</b>		
पाठ्यसूची पाठ 1—एक रहे हैं एक रहेंगे पाठ 2—आदमी की पहचान पाठ 3—सच्चा शिष्य	छात्र देश भक्ति के भाव ग्रहण करेंगे। छात्र सझम होंगे जीवन मूल्य ग्रहण करने में अच्छे—बुरे कर्मों की सीख ग्रहण करने में	अकबर—बीरबल की कोई कहानी पढकर अपने शब्दों में लिखिए। तिरंगे का चित्र बनाकर रंग भरें तथा उसके रंगों का महत्व लिखें
व्याकरण— संज्ञा,वचन विलोम ,लिंग पर्यायवाची सर्वनाम,संवाद	छात्र सक्षम होंगे संज्ञा,एवं सर्वनाम की परिभाषा एवं भेद समझने में। शब्द भंडार में वृद्धि करने में।	
<b>मई</b>		
पाठ्यसूची पाठ 4—ओमू ने खुशियाँ खरीदीं	छात्र जीवन मूल्य ग्रहण करेंगे।	आप अपने माता—पिता की देखरेख में किस ज़रूरतमंद मदद कर सकते हैं लिखें।
व्याकरण— कारक चिह्न ,विलोम अनुच्छेद	छात्र सक्षम होंगे कारक चिह्न की परिभाषा समझने में। शब्द भंडार में वृद्धि करने में।	
<b>जुलाई</b>		
पाठ्यसूची पाठ 5— कदंब का पेड़ पाठ 6—मेरा बचपन पाठ 7—पानी	छात्र सक्षम होंगे माँ की ममता अनमोल है भाव ग्रहण करने में महात्मा गाँधी के जीवन से प्रेरणा ग्रहण करने में। जल के महत्व को समझने में।	मेरी माँ विषय पर दस पंक्तियाँ लिखें पानी हमें किन—किन स्रोतों से प्राप्त होता है चित्र लगाकर उनके नाम लिखें।
व्याकरण— विशेषण—विशेष्य,क्रिया,अनेकार्थी अपठित गद्यांश औपचारिक पत्र,पर्यायवाची अनुस्वार—अनुनासिक	छात्र सक्षम होंगे औपचारिक पत्र का प्रारूप समझने में। शब्द भंडार में वृद्धि करने में। विशेषण एवं क्रिया की परिभाषा समझने में	व्याकरण— विशेषण—विशेष्य,क्रिया,अनेकार्थी अपठित गद्यांश औपचारिक पत्र,पर्यायवाची अनुस्वार—अनुनासिक

पाठ्यक्रम एवं पाठ्यसूची	शिक्षण उद्देश्य	गतिविधियाँ
<b>अगस्त</b>		
पाठ्यसूची पाठ 8—राजा की तीन सीखें पाठ 9—बेटी पढ़ाओ, देश बढ़ाओ	छात्र जीवन मूल्य ग्रहण करेंगे। छात्र शिक्षा के महत्व से अवगत होंगे।	शिक्षा का महत्व विषय पर कक्षा में परिचर्चा करें। प्रस्तुत पाठ के आधार पर कक्षा में नाटक मंचन करें।
व्याकरण— अनौपचारिक पत्र, लिंग, समुच्चयबोधक, मुहावरे, काल, तत्सम—तद्भव, निबंध	छात्र सक्षम होंगे अनौपचारिक पत्र के प्रारूप को समझने में। विषयानुकूल वाक्य निर्माण करने में। काल की परिभाषा समझने में।	
<b>सितम्बर</b>		
<b>पुनरावृत्ति</b>		
<b>अक्टूबर</b>		
पाठ्यसूची पाठ 10—सयाने बच्चे पाठ 11—ओणम पाठ 12—हमारा विद्यालय	छात्र सक्षम होंगे झगडा न करने की सीख ग्रहण करने में। छात्र त्योहारों के महत्व से अवगत होंगे। छात्र स्वच्छता के महत्व से अवगत होंगे	स्वच्छता से संबंधित सूक्तियाँ लिखें। मन पसंद त्योहार का चित्र लगाकर उसके बारे में लिखें।
व्याकरण— विराम चिह्न, समानार्थी, पर्यायवाची, उद्देश्य—विधेय , अपठित गद्यांश, अनुच्छेद	छात्र सक्षम होंगे शब्द भंडार में वृद्धि करने में। विषयानुकूल वाक्य निर्माण करने में। छात्र विराम चिह्न की परिभाषा से अवगत होंगे।	
<b>नवम्बर</b>		
पाठ्यसूची पाठ 13—आज का अर्जुन पाठ 14—सूरज का गोला पाठ 15—सबसे अच्छा पेड़	छात्र काव्य विद्या के माध्यम से प्रकृति के नियमों से अवगत होंगे। छात्र साहसी बनने के भाव ग्रहण करेंगे। छात्र वृक्षों का महत्व समझेंगे।	पेड़ का चित्र बनाकर लिखें कि इनसे हमें क्या-क्या मिलता है। कोई साहस भरी कहानी पढ़कर अपने शब्दों में लिखें
व्याकरण— वचन, मुहावरे, विलोम, संज्ञा के भेद, कर्ता—क्रिया, औपचारिक पत्र	छात्र सक्षम होंगे औपचारिक पत्र का प्रारूप समझने में। छात्र वचन एवं क्रिया की परिभाषा से अवगत होंगे।	

पाठ्यक्रम एवं पाठ्यसूची	शिक्षण उद्देश्य	गतिविधियाँ
<b>दिसम्बर</b>		
पाठ्यसूची पाठ 16—कबीर के दोहे पाठ 17—बालक चंद्रगुप्त पाठ 18—संकल्प	छात्र सक्षम होंगे कबीर के नीतिपरक दोहों से प्रेरणा ग्रहण करने में छात्र निर्भीकता और सूझबूझ से समस्या का समाधान करने में सक्षम होंगे।	सूरदास के कोई चार नीतिपरक दोहों दोहे लिखें
व्याकरण— समानार्थक,मुहावरे,संबंध बोधक, विराम चिह्न,अनेक शब्दों के लिए एक शब्द अनौपचारिक पत्र समानार्थक,कारक चिह्न,अनेकार्थक शब्द	छात्र सक्षम होंगे कविता वाचन के द्वारा आरोह—अवरोह का ज्ञान ग्रहण करने में शब्द भंडार में वृद्धि करने में।	
<b>जनवरी , फरवरी</b>		
<b>पुनरावृत्ति</b>		

# MATHS

## TOPIC

## LEARNING OBJECTIVE

## LAB ACTIVITY

### APRIL

CH- 1 Large Numbers

Extend the place-beyond 8 digits in the Indian and value system to international systems. Read and write roman numerals up to 1000.

To show that numbers can be added in any order.

To enable the student to learn the place according to international system of numbers- placing commas and number name.

**WEB LINK :** <https://goo.gl/zMkgDG>

**REFERENCE BOOK :** Everyday Mathematics, Maths Magic , S. Chand Composite Mathematics

### MAY

CH- 2 Operations with large numbers

Carry out addition and subtraction up to 7 digit number.

Carry out multiplications and division upto 5 digit number.

To enable the students to be well versed with the four basic operations of mathematics- creating a link between the four basic operations of mathematics.

**WEBLINK :** [http://www.math-aids.com/Mixed\\_Problems/Mixed\\_Problems\\_Worksheets\\_ALL.html](http://www.math-aids.com/Mixed_Problems/Mixed_Problems_Worksheets_ALL.html)  
[www.mathsisfun.com/numbers/division.html](http://www.mathsisfun.com/numbers/division.html)

**REFERENCE BOOK :** Everyday Mathematics, Maths Magic , S. Chand Composite Mathematics

### JULY

CH- 3 Factors and multiples.

Find out the HCF and LCM of two or more numbers.

To enable the students to differentiate between prime and composite numbers – finding prime nos.  
To enable the students to be well versed with the concept of LCM- exploring the concept of LCM.

CH- 4 Fractions

Carry out multiplication and division of fractional numbers. Add and subtract fractional numbers.

To enable the students to be well versed with the concept of fractions. – multiplication of fractions.

**WEBLINK :** <http://www.math-aids.com/Fractions/>  
<https://goo.gl/Dj3QqC>

**REFERENCE BOOK :** Math Magic, Maths Xpress , S. Chand Composite Mathematics and Math sight

TOPIC	LEARNING OBJECTIVE	LAB ACTIVITY
<b>TOPIC</b>		
CH- 5 & 6 Decimals and Percentages	Conversions fractions with 10, 100, 1000 as denominator into decimals numbers. Write expanded form of decimals and compare decimals to say which bigger round off decimals to nearest tenth is.	To reiterate the concept of percentage.

**WEBLINK :** <https://goo.gl/vdpp1G>

**REFERENCE BOOKS :** Everyday Mathematics, Maths Magic , S. Chand Composite Mathematics

## SEPTEMBER REVISION

## OCTOBER

CH- 9 Measurement of length	Units of metric measures. Conversions of higher units to lower and vice versa.	To enable the students to relate the commonly used larger and smaller units of length- measuring length in cm.
Measurement of weight	Conversions of weight of higher units to lower and vice versa.	
Measurement of capacity	Units of metric measures. Conversions of one units to another.	
CH- 11 Money	Preparation of bills.	To enable the students to compare the cost of one unit with that of no. of units and hence its saving- which is a better buy?

**WEB LINK :** <https://goo.gl/VoCrXL>  
<https://goo.gl/ITrsCU>

**REFERENCE BOOKS :** Everyday Mathematics, Maths Magic , S. Chand Composite Mathematics

## NOVEMBER

CH – 10 Time	Conversion of 12- hour clock to 24- hour clock and vice versa, solving daily life problems.	To explore the pattern into calendar.
CH- 7 Geometry	Angles and kinds of angles, circle and parts of circles, rotation and reflection of 2D shapes, symmetry in 3D shapes.	To reinforce that the sum of the angles of a triangle is 180

**WEB LINK:** <https://goo.gl/0aQ1qf>  
<https://goo.gl/wlelhd>

**REFERENCE BOOKS :** Math Magic, Maths Xpress , S. Chand Composite Mathematics and Math sight



TOPIC	LEARNING OBJECTIVE	LAB ACTIVITY
<b>DECEMBER</b>		
CH- 8 Perimeter, Area and volume.	Find the areas and volume of square and rectangle by using formulas.	To find the amount o solids by measuring the amount of water displaced
<b>WEB LINK:</b> <a href="http://www.homeschoolmath.net/worksheets/area_perimeter_rectangles.php">http://www.homeschoolmath.net/worksheets/area_perimeter_rectangles.php</a> <a href="https://goo.gl/tcLyl">https://goo.gl/tcLyl</a>		
<b>REFERENCE BOOKS :</b> Math Magic, Maths Xpress , S. Chand Composite Mathematics and Math sight, Mathematics by R.D Sharma		
<b>JANUARY</b>		
CH- 13 Data handling	Read and interpret pictographs, bar graphs and circle graphs to represent simple data.	To enable the students to learn how to collect raw data and represent the same in the form of bar graph.
CH- 12 Symmetry & patterns	Draw and Identify symmetrical figures and Extend the patterns	To understand the concept of reflection.
<b>WEB LINK:</b> <a href="http://www.math-only-math.com/worksheet-on-data-handling.html">http://www.math-only-math.com/worksheet-on-data-handling.html</a> <a href="https://goo.gl/FB6uM9">https://goo.gl/FB6uM9</a>		
<b>REFERENCE BOOKS :</b> Math Magic, Maths Xpress , S. Chand Composite Mathematics,		
<b>FEBRUARY</b>		
<b>REVISION</b>		

## SCIENCE

### TOPIC

### LEARNING OBJECTIVE

### LAB ACTIVITY

## APRIL

Ch-1 Plants: Increasing The Numbers

To identify various stages in germination of seeds and reproduction in plants  
To identify some seed producing plants, methods of dispersal of seeds.  
To identify various stages of agriculture

To understand seed and its parts.  
To show the reproduction from roots.

Ch -2 Food and Health

Identify components of food, balanced diet  
Identify the deficiency diseases resulting from lack of any nutrients

Make a chart of balanced diet and write importance of each nutrient

**WEBLINK :** [www.mbgnetnettioplants/seed.html](http://www.mbgnetnettioplants/seed.html)/[www.zephyrus.co.uk/seeddispersa11.html](http://www.zephyrus.co.uk/seeddispersa11.html)

**REFERENCE BOOKS :** Universal Science, Empowering Science, Science Around us

## MAY

Ch- 6 Soil, Erosion and Conservation

To explain the process of soil formation  
To identify the human activities increasing soil erosion.  
To identify different ways of soil conservation

Collect the information about Chipko Movement and make a chart on the information collected

**WEBLINK :** [www.keepkidshealthy.com/welcome/firstaid.html](http://www.keepkidshealthy.com/welcome/firstaid.html)

**REFERENCE BOOKS :** Universal Science, Empowering Science, Science Around us

## JULY

Ch- 5 Solids, Liquids and Gases

To understand the molecular arrangement in solid, liquid and gases  
To learn about the solubility of solids, liquids and gases in water  
To distinguish physical and chemical changes  
Study the different ways of breathing in animals.  
To study feeding habits of animals  
To relate the type of limbs and to the types of movement in animals  
To appreciate the amazing phenomenon of migration

To show the physical changes in water.  
To test two liquids are miscible or immiscible.

Ch- 8 Animals Everywhere

Match different organism with their breathing organs.  
Match different organism with their habitat which they have adopted.  
Visit a national Park, a wildlife Sanctuary or a bird sanctuary

**Web link :** [www.enr.gov.nt.ca/live/documents/.../Gradesk\\_8\\_activities.pdf](http://www.enr.gov.nt.ca/live/documents/.../Gradesk_8_activities.pdf)  
[www.rsgr.in/1sc-cce-5](http://www.rsgr.in/1sc-cce-5)

**REFERENCE BOOKS :** Universal Science, Empowering Science, Science Around us

TOPIC	LEARNING OBJECTIVE	LAB ACTIVITY
<b>AUGUST</b>		
Ch-7 Rocks and Minerals	To identify different kinds of rocks. To recognize the formation of rocks and Uses of rocks	To find out the texture of igneous rocks Paste picture of old buildings on a A3 sheet giving information about the stone they are made of.
Ch- 3 Safety and First aid	To provide first aid to an injured person	Paste the road signs on A3 sheet with information and display in the class room.
Ch- 4 Houses All Around	To know the factors that determine the type of houses To know points to be kept in mind before, during and after the construction of a house	Make a model of a hut or house on stilts by using green and brown paper, shoe box, empty matchboxes, cardboard, broomsticks and straw.
<b>WEBLINK :</b> <a href="http://www.rocksforkids.com/">www.rocksforkids.com/</a> <a href="http://www.rocksandminerals44.com">www.rocksandminerals44.com</a> <a href="http://www.scienceofeverydaylife.discoveryeducation.com/pdfs/create-a-first-aid-kit.pdf">www.scienceofeverydaylife.discoveryeducation.com/pdfs/create-a-first-aid-kit.pdf</a>		
<b>REFERENCE BOOKS :</b> Universal Science, Empowering Science, Science Around us		
<b>SEPTEMBER</b>		
<b>REVISION</b>		
<b>Reference Book/ Web link :</b> <a href="http://www.howstuffworks.com/brain.html">www.howstuffworks.com/brain.html</a>		
<b>OCTOBER</b>		
Ch- 9 Our Skeletal System	To recognize different types of bones and joints and to study about their functions. To understand the function of body To identify the brain as a control centre of other systems.	Yogasana for the strengthening of muscles.
Ch- 10 Our Nervous System	To describe how messages are communicated To understand the need to take care of sense organs.	Make a model of brain
<b>WEBLINK:</b> <a href="http://www.kidshealth.org/kid/body/brain_nosw.html">www.kidshealth.org/kid/body/brain_nosw.html</a>		
<b>REFERENCE BOOKS :</b> Universal Science, Empowering Science, Science Around us		
<b>NOVEMBER</b>		
Ch- 11 Force and Energy	Define a machine, differentiate between simple and complex machines To know different types of forces and simple machines	To prove that screw is an inclined plane. To show that rollers reduce friction between the box and the table.
Ch- 12 Our Life Supports	Explain the composition of air and its uses and properties To list the ways of removing impurities from water	To show presence of carbon dioxide To show that air has weight. To show that air is needed for burning
<b>WEBLINK:</b> <a href="http://www.mysciencesite.com/">www.mysciencesite.com/</a> <a href="http://www.bbc.co.uk/schools/scienceclips/">www.bbc.co.uk/schools/scienceclips/</a>		
<b>REFERENCE BOOKS :</b> Universal Science, Empowering Science, Science Around us		

TOPIC	LEARNING OBJECTIVE	LAB ACTIVITY
<b>DECEMBER</b>		
Ch- 13 Our Earth's Natural Satellite	To differentiate between the conditions on the moon and the earth. To distinguish between solar and lunar eclipses. To know the purpose of sending artificial satellites To identify the importance and utilities of artificial satellites.	To study solar and lunar eclipses
Ch -14 Natural Disasters	To recognize different types of natural Disaster	Write a report on the safety measures to be taken during different kind of disasters.
<b>WEBLINK :</b> <a href="http://www.classroom.jc-schools.net/sci-units">www.classroom.jc-schools.net/sci-units</a>		
<b>REFERENCE BOOKS :</b> Universal Science, Empowering Science, Science Around us		
<b>JANUARY</b>		
Ch- 15 Changes in Our Environment	To understand the concept of greenhouse effect. Recognize the effect of human activities on the environment. To identify the harmful effects and steps to reduce damage to the environment Conserve natural resources.	Project on the effects of global warming. Visit any garden and learn about the flowers, butterflies, birds and enjoy it.
<b>Reference Book/ Web link :</b> <a href="http://www.science-class.net/astronomy/moonphases.html">www.science-class.net/astronomy/moonphases.html</a>		
<b>FEBRUARY</b>		
<b>REVISION</b>		

## SOCIAL SCIENCE

TOPIC	LEARNING OBJECTIVE	ACTIVITY/MAP WORK
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### APRIL

1. Our amazing Planet-Earth	Learner will define the solar system, Earth and Its Features, Globes and Maps	Collect Information about any one planet and create your own Encyclopaedia.
2. Grids On Earth	Learner will describe latitudes and Longitudes and their Importance	Draw a well labelled Diagram of various Heat Zone of Earth

**WEBLINKS :** <http://solarsystem.nasa.gov/planets/profile.cfm?object=solarsys>  
<http://www-ispt.gsfc.nasa.gov/stargaze/staglong.htm>

**REFERENCE BOOKS :** 1. S. Chand Publication 2 NCERT 3 Orient Blackswan

### MAY

3. Rotation and Revolution	Learner will differentiate between Rotation and Revolution and its effect	Perform an experiment in class to show how Rotation and revolution happens
4. Our Beautiful Country	To Understand the relief features of Earth	On a Political map of India Locate all physical features of India
5. Our Bountiful Nature	To Define types of Natural Resources and their Resources	Make a Chart to save the Environment

**WEBLINKS :** <http://www.universetoday.com?60655?earth-revolution/>  
<http://www.britanica.com/EBchecked?topic?463959/Plateau>  
<http://recycle-guide.org.uk?rrr.html>

**REFERENCE BOOKS :** REFERENCE BOOKS : 1. S. Chand Publication  
 2 NCERT  
 3 Orient Blackswan

### JULY

6. Hot and Cold	Learner will define Weather and Climate and factors affecting it.	Prepare and compare the climatic condition of any five state for a week
7. Democratic Republic Of Congo	To define the location and political features of DRC	Prepare a Presentation on comparison between the Political Features of INDIA and DRC

**WEB LINK :** <http://www.imd.gov.in/>  
<http://us-africa.tripod.com/zaire.html>

**REFERENCE BOOKS** REFERENCE BOOKS : REFERENCE BOOKS : 1. S. Chand Publication  
 2 NCERT

TOPIC	LEARNING OBJECTIVE	ACTIVITY/MAP WORK
<b>AUGUST</b>		
8. Land of the Midnight Sun	Learner will define the location , climatic conditions and lifestyle	Group Discussion regarding the lifestyle of Inuits and Banjaras
9. Land of hot and Sun	To Define the location and climate and culture of people	On a Political map Locate Saudi Arabia along with any neighbouring Country
10.Grassland	To understand the vegetation and climate condition of Prairies	On a Political map , mark the temperate grassland of the world
<b>WEB LINK :<a href="http://www.bbc.co.uk/news/world-africa-1283212">www.bbc.co.uk/news/world-africa-1283212</a>  <a href="http://www.greenland.com/en/">http://www.greenland.com/en/</a>  <a href="http://www.blueplanetbiomes.org/prairie.html">http://www.blueplanetbiomes.org/prairie.html</a></b>		
<b>REFERENCE BOOKS : REFERENCE BOOKS : REFERENCE BOOKS : 1. S. Chand Publication  2 NCERT 3 Orient Blackswan</b>		
<b>SEPTEMBER</b>		
<b>REVISION</b>		
<b>OCTOBER</b>		
11.Lives in Harmony	Learner will define the types of Pollution and its causes	Prepare a PPT on PRESERVE OUR ENVIRONMENT
12. The Moody Earth	To define the different types of Natural Calamities its causes and effects	Make a small first aid kit for your Safety.
13. From One End to Other	To know about Evolution of Transport and its types.	Collect the information regarding the fares between your city and any five neighbouring states
<b>WEBLINK :<a href="http://www.thebetterindia.com">http://www.thebetterindia.com</a>  <a href="http://www.natural-calamity.info/">http://www.natural-calamity.info/</a>  <a href="http://suezcanal.gov.eg/">http://suezcanal.gov.eg/</a></b>		
<b>REFERNECE BOOK 1. S. Chand Publication 2 NCERT 3 Orient Blackswan</b>		
<b>NOVEMBER</b>		
14.From Cave Drawing to the web	To learn about the various means of communication	Prepare model of various modes of Communication(Waste Material) with presentation.
15. Knowledge of Power	To know about various Inventions and records	Paste pictures of 10 Inventors and their Invention who belongs to India.
16. Health in your Hand	To know about causes of illness and medical equipment	Discuss about any one disease and various ways to cure it.
<b>WEB LINK :<a href="http://inventors.about.com/library/inventors/bltelephone2.html">http://inventors.about.com/library/inventors/bltelephone2.html</a>  <a href="http://www.historyforkids.org/learn/literature/paper.html">http://www.historyforkids.org/learn/literature/paper.html</a>  <a href="http://www.home-remedies-for-you.com/">http://www.home-remedies-for-you.com/</a></b>		
<b>REFERNECE BOOKS : REFERNECE BOOK 1. S. Chand Publication 2 NCERT 3 Orient Blackswan</b>		

TOPIC	LEARNING OBJECTIVE	ACTIVITY/MAP WORK
<b>DECEMBER</b>		
17.The British in India	Learner will know about battle of Plassey and Buxar, revolt of 1857	On a political Map locate the cities where Revolt of 1857 took place.
18.Freedom of India	To know about Gandhiji and his moments	Conduct Debate on importance of Mahatma Gandhi for India
19. The Indian Government	To know about types of Government and its functioning	Conduct an election in the class for various responsibilities
<b>WEB LINK :<a href="http://loksabha.nic.in/">http://loksabha.nic.in/</a> <a href="http://www.indiaheritage.org/history_struggle_freedom.html">http://www.indiaheritage.org/history_struggle_freedom.html</a></b>		
<b>REFERENCE BOOKS : REFERENCE BOOK 1. S. Chand Publication 2 NCERT 3 Orient Blackswan</b>		
<b>JANUARY</b>		
20. Let's make Peace, Not War	Learner will know about formation of formal bodies for maintaining peace in Society	On a political map of India mark the member country of UNO
21. Meet the laureates	Learners will define the various efforts and achievements of Laureates	Make a list of Prizes Won by Mother Teresa in the Specific Year
<b>WEBLINK :<a href="http://www.un.org/en/">http://www.un.org/en/</a> <a href="http://biography.com/people/aung-san-su-kyi-9192617">http://biography.com/people/aung-san-su-kyi-9192617</a></b>		
<b>REFERENCE BOOKS : REFERENCE BOOKS : REFERENCE BOOK 1. S. Chand Publication 2 NCERT 3 Orient Blackswan</b>		
<b>FEBRUARY</b>		
<b>REVISION</b>		

# COMPUTER

TOPIC	LEARNING OBJECTIVE	LAB ACTIVITY
APRIL		
<p><b>Chapter -1</b>  <b>EVOLUTION OF COMPUTERS</b>                      History of Computers                      3000-BC Abacus                      Pascal Adding Machine                      Leibniz Calculator                      Charles Babbage                      Augusta Ada LoveLace                      George Boole                      Dr. Herman Hollerith                      Lohn Von Neumann                      Howard Aiken                      ENIAC/UNIVAC 1                      Generations of Computers                      Types of Computer</p> <p><b>Chapter -2</b>  <b>SOFTWARE AND ITS TYPES</b>                      What is Software?                      System Software                      Application Software                      Graphics, Multimedia and Presentation Software</p>	<p>Learn about what is the history of Computers                      When, how and who has invented                      3000-BC Abacus                      Pascal Adding Machine                      Leibniz Calculator                      Will Learn about the famous personalities in Computer World and their Work like                      Charles Babbage                      Augusta Ada LoveLace                      George Boole                      Dr. Herman Hollerith                      Lohn Von Neumann                      Howard Aiken                      ENIAC/UNIVAC 1                      Generations of Computers                      Types of Computer</p> <p>Learn about what is Software?                      Why it is needed to operate computers.                      Different types of Software like                      System Software                      Application Software                      Graphics, Multimedia and Presentation Software</p>	<ul style="list-style-type: none"> <li>Open Microsoft Word , Create a new document and type the Name of famous personalities in different font type , size ,font colour and font styles</li> <li>Open Paint program and draw Abacus using Paint tools, Shape tools and Colour tools</li> <li>Save a document</li> </ul> <p>Open Microsoft Word, Open your previous saved document. Open a new page write about software , then copy it on the next page and again move it on the previous page. Using Ctrl + C, Ctrl +X and Ctrl + V commands</p>

**Reference Book/web link:** <http://www.computersciencelab.com/computerhistory>  
<http://uwf.edu/clemley/cgs1570w/notes>

# MAY

<p><b>Ch-3 WINDOWS 7</b>                      Features of Windows 7                      Desktop                      Windows Explorer                      View Contents of a File/Folder                      Copy and move a File/ Folder                      Delete and Restore a File/Folder                      Find a File/ Folder                      Customize the Desktop                      Desktop Gadgets</p>	<p>Learn about features of Windows 7                      Using Desktop                      What is Windows Explorer?                      Viewing Contents of a File/Folder                      Copying/ Moving a File/ Folder                      Deleting and Restoring a File/Folder                      Finding a File/ Folder                      Customizing the Desktop                      Desktop Gadgets</p>	<ul style="list-style-type: none"> <li>Open the Desktop and practice of Advanced Appearance settings</li> <li>Creating the folder on the desktop naming it, renaming it, deleting it and then restoring it</li> </ul>
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**Reference Book/web link :** <http://www.homeandlearn.co.uk/bc/beginnerscomputing.html>



**TOPIC****LEARNING OBJECTIVE****LAB ACTIVITY****JULY****Ch- 4 MORE ON MICROSOFT WORD2007**

Copy Formatting to another Selection  
 Subscript and Superscript Effect  
 Find and Replace the Text  
 Page Formatting  
 Print a Document

**Chapter – 5 WORKING WITH STYLES AND OBJECTS**

Built –in Styles  
 Create a New Style  
 Insert WordArt  
 Create a Text Box  
 Shapes and Text in Shapes  
 Drawing Tools  
 Clip Art  
 Symbols and Special Characters  
 Shadow

Learn about copying Formatting to Another Selection  
 Applying Subscript and Superscript Effect  
 Finding and Replacing the Text  
 Page Formatting  
 Printing a Document

Learn about applying Built –in Styles  
 Creating a New Style  
 Inserting WordArt  
 Creating a Text Box  
 Working with Shapes  
 Placing Text in Shapes  
 Using Drawing Tools  
 Inserting Clip Art  
 Inserting Symbols and Special Characters  
 Applying Shadow

Open a new document in MS Word and Type the date sheet of your class test using proper Paragraph settings, Line spacing, Margin settings  
 \* Type the dates, Maths Formula, Chemical compound symbols using Superscript and Subscript

\* Make a birthday card using Clip Art, WordArt, Shapes, different Font features

Reference Book/web link: :<http://www.gcfllearfree.org/word2007>  
<http://www.baycongroup.com>

**AUGUST****Ch- 6 WORKING WITH TABLES**

Create a Table  
 Enter Data  
 Modify a Table  
 Insert Columns/ Rows in a Table  
 Delete Rows and Columns  
 Format a Table  
 Column Width  
 Split/ Merge Cells  
 Borders and Shading  
 Resize Tables  
 Calculations in a Table  
 Update the Total

Learn about Creating a Table  
 Entering Data  
 Modifying a Table  
 Inserting Columns/ Rows in a Table  
 Deleting Rows and Columns  
 Formatting a Table  
 Changing Column Width  
 Splitting/ Merging Cells  
 Applying Borders and Shading  
 Resizing Tables  
 Calculations in a Table  
 Updating the Total

Open MSWord , create a document, Insert the table And make a timetable Using Border and shading options of formatting  
 Create a table and make marksheet of five students and use formula to find total

Reference Book/web link: : <http://www.fgcu.edu/support/office2007>

**SEPTEMBER****REVISION**

TOPIC	LEARNING OBJECTIVE	LAB ACTIVITY
<b>OCTOBER</b>		
<p><b>Chapter – 7</b> <b>MICROSOFT POWERPOINT 2007</b> Start MS Powerpoint Create a New Presentation Built – In Templates Using Themes and SmartArt Viewing a Presentation</p>	<p>Learn about starting MS Powerpoint Creating a New Presentation Built – In Templates Using Themes and Inserting SmartArt and their importance Viewing a Presentation</p>	<p>*Opening Microsoft Power point and understanding of the components of MS Powerpoint. * Identifying various slide layouts and their use * Create the presentation and apply Themes and Smart Art</p>
<p>Reference Book/web link: <a href="http://www.fgcu.edu/support/office2007">http://www.fgcu.edu/support/office2007</a></p>		
<b>NOVEMBER</b>		
<p><b>Chapter – 8</b> <b>SLIDE ORGANIZATION IN POWERPOINT</b> Slide Layout Editing Text Objects Move and copy objects Delete Text Objects Insert Text Box Rearrange a Slide in An Outline Tab and Slide Sorter View ClipArt WordArt Shapes Rotate/ Resize a Picture, Shape, Text or Object Shadow Effects</p> <p><b>Chapter – 9</b> <b>FORMATTING A PRESENTATION</b> Slide Master Create a New Custom Layout Change Colour Scheme and Background colour Fill Effects Formatting Effects Indents Slide Outline</p>	<p>Learn about changing the Slide Layout Editing Text Objects Moving and copying objects Deleting Text Objects Inserting Text Box Rearranging a Slide in An Outline Tab and Slide Sorter View Inserting ClipArt Working With WordArt Inserting Shapes Rotating/ Resizing a Picture, Shape, Text or Object Using Shadow Effects</p> <p>Learn about working with Slide Master Creating a New Custom Layout Changing Colour Scheme and Background colour Using Fill Effects Applying Formatting Effects Applying Indents Learn about the importance of using these Formatting effects Working with Slide Outline</p>	<p>Create a Power Point presentation on the given topic Using ClipArt, WordArt, Shapes options Use of Textbox in presentation Practice of Different views In Power point</p> <p>Creating a presentation using Colour schemes and background colour Use of Fill effects to enhance the appearance of presentation</p>
<p>Reference Book/web link: <a href="http://www.baycongroup.com/powerpoint2007">http://www.baycongroup.com/powerpoint2007</a> <a href="http://office.microsoft.com/en-us/training">http://office.microsoft.com/en-us/training</a></p>		

TOPIC	LEARNING OBJECTIVE	ACTIVITY/MAP WORK
<b>DECEMBER</b>		
<b>Chapter – 8</b> <b>MICROSOFT EXCEL</b> <b>2007</b> Introduction to MS Excel Workbook and Worksheet Entering Data in Excel Doing Calculations Using AutoSum Function Using Formula Save a Workbook <b>Chapter -11</b> <b>ALGORITHM AND</b> <b>FLOWCHART</b> Algorithm Flowcharts Simple Problems of Flowcharting	Learn about MS Excel Difference between Workbook and Worksheet Entering Data in Excel Doing Calculations To calculate Sum using AutoSum Function To calculate the Sum using Formula Saving a Workbook Learn about Problem Solving Techniques, their use and importance like Algorithm and Flowcharts Difference between Algorithm and Flowchart Simple Problems of Flowcharting	* Opening MS Excel, Creating a Workbook, Typing the Class Time table using different font type, style and colour. Then save the workbook Open the previous saved workbook. Open the new worksheet. Create a marksheet of five students and find the total using function and formula Writing of Algorithm steps in MS Word Drawing Flowcharts on MS Word using different shapes tools
Reference Book/web link: <a href="http://www.popera.com">http://www.popera.com</a>		
<b>JANUARY</b>		
<b>Chapter – 12</b> <b>INTERNET AND E-MAIL</b> Introduction of Internet? What does Internet provide? Internet terms Starting Internet Using Internet Explorer E-Mail	Learn about what is Internet? What does Internet provide? Why Internet is important to us? Internet terms like WWW, Website, Webpage, HomePage Starting Internet using Browser Using Internet Explorer E-Mail its use and advantages	Visit to Lab and understanding of using browser . Open Internet through Browser and search the given information on Google Create an e-mail id on gmail.com
Reference Book/web link: <a href="http://www.popera.com">http://www.popera.com</a>		
<b>FEBRUARY</b>		
<b>REVISION</b>		

## G.K.

### TOPIC

### LEARNING OBJECTIVE

## APRIL

### THE NATURAL WORLD

Wonder Birds, Of pugs and furs, Marine life, Animals in danger, Miracles of nature, Lawn Safari

- ❖ Know different type of birds with their clues
- ❖ Know the facts of marine ecosystem
- ❖ Know about endangered animals
- ❖ Know about medicinal plants

## MAY

### SCIENCE AND TECHNOLOGY

Mysterious space, The journey of food, Body works, Gem Stones, The moving machines, Green energy, Multipurpose multimedia, Making a water clock, Science mix, Medical Marvels, Branches of medicine

- ❖ Know about digestion
- ❖ Know the facts of space
- ❖ Learn about different means of multimedia
- ❖ Know about Different medical profession

## JULY

### LANGUAGE & LITERATURE, LEGENDS & MYTHS

How is a book made? Epic Sagas, Monsters al, World ladder, All-time favourites, Classics and Popular, In Conversation, Indian authors, Story time

- ❖ Know about many authors of famous epics
- ❖ Know about the various steps of making a book
- ❖ List various Indian authors

## AUGUST

### THINGS AROUND ME

Hands On, Dodge the disasters

- ❖ Know about various simple tools
- ❖ Know about various natural calamities

## SEPTEMBER

### SPORTS

Olympics track and fields, Tops at Table tennis, Sporting legends, Playing Common wealth, Adventures sports, Lessons in Chess

- ❖ Appreciate Olympic events
- ❖ Identify various famous sporting legends
- ❖ Learn about chess

**TOPIC****LEARNING OBJECTIVE****OCTOBER****NUMBER SKILL**

Number Games, Brain Teasers,

- ❖ Practice logical and analytical skills
- ❖ Practice to solve puzzles

**NOVEMBER****ART AND MUSIC**

In toonland, Making faces, Making a flick book,  
Actors we adore, Singing sensation, Faces on TV

- ❖ List and name of cartoon characters
- ❖ Practice various animated skills
- ❖ Appreciate popular singers, actors

**DECEMBER****THE WORLD AROUND US**

Quizzing countries, Champions of change, Airports of the world, Rivers of life, World religions, Multipurpose project, Bridge the gap, Business basics, Noble Laureates, Wonders of the world, Famous words, The Highest and the tallest, Languages word wide, Quizzing central India

- ❖ Learn the capitals and currencies of various countries
- ❖ Know about world's popular rivers
- ❖ Appreciate noble prize winners
- ❖ List various world's highest buildings

**JANUARY****MIXED BAG**

Quiz yourself 1, Making a birdy bank, Quiz yourself 2, Quiz yourself 3, Model test paper 1, Model test paper 2, Answers, Series scheme

- ❖ Use the entire knowledge for practicing model test papers.

**FEBRUARY****REVISION**

# DRAWING

## TOPIC

## LEARNING OBJECTIVE

### APRIL

#### WHAT IS ART?

- Elements of art,line,colour
- Basic drawing tips and techniques,shapes,and forms.
- Practice filling colours.
- Draw the missing part
- More drawing techniques(Rubbing, Mix Media, Airblowing, Stippling,Feathering and Blending, knife painting,Sgraffito,Scratch board techniques,Drawing on coloured paper.

#### TECHNIQUES OF WATER COLOUR?

- Flat wash,Grated wash, Variegated wash

#### TIPS OF KIDS?

- Paper quilling art(basic shapes)
- Basic origami techniques

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

### MAY

#### ART BOOK

- Pomegranate
- Grapes
- Sampan boat

#### CRAFT WORK (purpose-holiday home work)

- Crepe paper frills in try colour
- String design (enterprise club)

Creative drawing and colouring skills will improve

Learn to create usable objects from waste material.

### JULY

#### ART BOOK

- Lotus
- Surahi
- jug

#### Art file

- Scenery (spray)
- Earth day

#### CRAFT WORK

- Mosaic art (photo frame)

Creative drawing and colouring skills will improve

Learn to draw and spray

Learn to create usable objects from waste material.

### AUGUST

#### Art book

- Pigeon
- Rooster

#### Craft work

- Independence day (popup card)
- Thali decoration (raksha bandhan)
- Janmashtami ( flute decorate)

Creative drawing and colouring skills will improve. learn to create usable objects from waste material

**TOPIC****LEARNING OBJECTIVE****SEPTEMBER****ART BOOK**

- Pigeon
- Rooster
- Quilled bird

**ART FILE**

- Wax crayon resist

**Craft work**

- Teachers day (folder making)

Creative drawing and colouring skills will improve

Developing new ways of thinking, and creating.

**OCTOBER****ART BOOK**

- Polar bear
- Cow
- Warli painting

**ART FILE**

- Village scene

**Craft work**

- Diwali (paper lamp)
- Stick holder

Creative drawing and colouring skills will improve.

Students will learn about the folk art.

Learn to create usable objects from waste material

**NOVEMBER****ART BOOK**

- Leaf
- Tree(cylindrical )
- Cobra stitch

**ART FILE**

- Landscape(geometrical shapes)

**Craft work**

- Sports day (craft work)

Creative drawing and colouring skills will improve.

They will learn how can we use geometrical shapes in art.

Learn to create usable objects from waste material

**DECEMBER****ART BOOK**

- Face of an old man
- Face of an old woman

**ART FILE**

- Dinosaur

**Craft work**

- Decorative things for Christmas  
And new year
- Morning glory (origami)

Creative drawing skills will improve.

Learn to create usable objects from waste material

**JANUARY****ART BOOK**

- Dove

**ART FILE**

- 3-d picture (elephant)

**CRAFT WORK**

- Bowl with news paper

Creative drawing and colouring skills will improve.

Students will learn how to make real picture by using of lines and shade.

Learn to create usable objects from waste material

**FEBRUARY****REVISION**

# PHYSICAL EDUCATION

**TOPIC**

**OBJECTIVE**

**APRIL**

**MAY**

**JULY**

**AUGUST**

**SEPTEMBER**



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TOPIC	LEARNING OBJECTIVE
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<b>OCTOBER</b>	
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<b>NOVEMBER</b>	
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<b>DECEMBER</b>	
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<b>JANUARY</b>	
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<b>FEBRUARY</b>	
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# 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.