

## ENGLISH

UNITNO. & LESSON	LEARNING OBJECTIVE	ACITIVITY
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### APRIL

<p><b>(Main Course Book)</b> 1.People <b>(Workbook)</b> <b>Worksheet-1</b> Verb Forms <b>(Literature Reader)</b> 1.How I Taught My Grandmother to Read 2.The Brook</p>	<p>Present his/her original ideas in a coherent manner.</p> <p>Identify the rhetoric devices in the poem and critically appreciate the poem</p> <p>Make correct usage of verb forms in present and past tenses</p>	<p>Speech</p> <p>Diary Entry E-Mail Writing <b>Critical Appreciation</b></p>
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**Reference Book/ Web link :** [http://www.youtube.com/watch?v=XzT\\_7hMsWhY](http://www.youtube.com/watch?v=XzT_7hMsWhY)  
<http://www.victorianweb.org/authors/tennyson/>

### MAY

<p><b>(Main Course Book)</b> 2.Adventure <b>(Workbook)</b> <b>Worksheet-2</b> <b>(Literature Reader)</b> 3.The Road Not Taken</p>	<p>Answer the questions through attentive involvement in listening activities</p> <p>Paraphrase the poem with proper understanding</p>	<p>Bio-Sketch Data Interpretation Notice Listening Activity</p>
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**Reference Book/ Web link :** <http://www.poemhunter.com/robert-frost/>  
<http://www.youtube.com/watch?v=X7ffCWSTNYM>

### JULY

<p><b>Main Course Book)</b> 3.Adventure <b>(Workbook)</b> <b>Worksheet-3</b> Future Time Reference <b>(Literature Reader)</b> 4.The Solitary Reaper 5.A Dog Named Duke</p>	<p>Venture into the genre of creative writing with prompts</p> <p>Identify errors in texts written in future tense</p> <p>Critically appreciate the poem</p>	<p>Dialogue writing Message Story Writing Informal Letter Critical Appreciation</p>
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**Reference Book/ Web link :** <http://www.victorianweb.org/previctorian/ww/bio.html>  
<http://www.victorianweb.org/previctorian/misc/romanticov.html>

### AUGUST

<p><b>(Main Course Book)</b> 4.Environment Radio Show <b>(Workbook)</b> <b>Worksheet-4</b> Modals</p>	<p>Organize his/ her ideas and speak coherently with proper diction and fluency.</p> <p>Involve themselves in creative oral presentation with proper intonation and</p>	<p>Class Presentation Dramatization</p> <p>Report Formal Letter Listening Activity</p>
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Connectors <b>(Literature Reader)</b> 6.Lord Ullin's Daughter 7.Villa for Sale	modulation Express their ideas and develop their creative faculties Appreciate the poem with proper understanding of its poetic devices.	
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**Reference Book/ Web link :** <http://www.youtube.com/watch?v=gn10nmS42IU>  
<http://www.youtube.com/watch?v=7IzL8IuH-vc>

## SEPTEMBER

<b>(Main Course Book)</b> 5.Mystery <b>(Workbook)</b> <b>Worksheet-5</b> Active and Passive <b>(Literature Reader)</b> 8.Oh, I Wished I'd Looked After Me Teeth	Write a report based on the provided statistical data Use passive voice appropriately during required circumstances	Data Interpretation  Report E-Mail
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**Reference Book/ Web link :** <http://www.wikihow.com/Write-a-Formal-Email>

## OCTOBER

<b>Main Course Book)</b> 6.Mystery <b>(Workbook)</b> <b>Worksheet-6</b> Reported Speech <b>(Literature Reader)</b> 9.The Man Who Knew too Much 10.Song of the Rain	Narrate sentences with proper usage of reported speech  Write a review of some book with proper comprehension and some understanding of its critical aspect	Speech Article Message Book Review
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**Reference Book/ Web link**

:<http://www.youtube.com/watch?v=MAcQQefQeDY><http://www.poemhunter.com/khalil-gibran/>

UNIT NO. & LESSON	LEARNING OBJECTIVE	KEY CONCEPT /VALUE POINT
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## NOVEMBER

<b>(Main Course Book)</b> 7.Children <b>(Workbook)</b> <b>Worksheet-7</b> Prepositions <b>(Literature Reader)</b> 11.Keeping it from Harold 12.Best Seller	Write a descriptive passage expanding some bits of information -Place the prepositions appropriately as per the requirement -Do a comparative analysis of information	Dialogue writing Description (people, objects or events) Informal Letter -
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**Reference Book/ Web link**

:<http://www.youtube.com/watch?v=YNZquUneyTE><http://www.wodehouse.org/>

## DECEMBER

**(Main Course Book)**

8.Sports and Games

**(Workbook)**

**Worksheet-7**

Integrated

Grammar

**(Literature Reader)**

13.The Seven Ages

14.The Bishop's

Candlesticks

Identify various rhetoric devices and apply them in their creative expressions  
Research information through various sources and present it in a coherent manner

Role Play  
PowerPoint Presentation  
Article  
Listening Activity  
Critical Appreciation

**Reference Book/ Web link** <http://www.authorstream.com/Presentation/ciaffaroni-55349-william-shakespeare-mt-education-ppt-powerpoint/>

## JANUARY

Revision  
Formal and Informal Letter

- Email
- Notice
- Message
- Note making
- Diary Entry
- Article Writing
- Report Writing

Letter writing  
Email writing  
Notice writing  
Note making  
Diary entry

## FEBRUARY

Revision

Prose

- Poetry
- Play
- Unseen Passage
- Unseen Poetry

Assessment tests  
Summary writing  
Revision of questions and answers

# HINDI

पाठ्यक्रम एवंपाठ्य सूची	व्याकरण	गतिविधियाँ	शिक्षणउद्देश्य
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## अप्रैल

पाठ—दो बैलो की कथा पाठ—साखियाँ एवं सबद पाठ—वाख	शब्द निर्माण उपसर्ग पत्र,निबंध अपठित गद्यांश चित्र वर्णन विलोम अनुच्छेद पर्यायवाची	वन्य प्राणी संरक्षण पर वाद—विवाद शब्दों के जोड़े बनाना ख वर्ण से शब्द निर्माण	पशु—पक्षियों के प्रति संवेदनशीलता विकसित करना भावात्मक अभिरुचि उत्पन्न करना सृजनात्मकता को उभारना
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## मई

पाठ—1 इस जल प्रलय मे	प्रत्यय समास पत्र,निबंध अपठित पद्यांश	जल पर नारे	आपदा प्रबंधन की जानकारी देना लेखन कौशल का विकास
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## जुलाई

पाठ—2 लहासा की ओर पाठ—3 उपभोक्तावाद की संस्कृति पाठ—4 सवैये	संज्ञा सर्वनाम मुहावरे चित्र वर्णन,पत्र,निबंध अपठित गद्यांश पर्यायवाची	ताप संबंधी सूचनाएँ एकत्र करना विज्ञापन बनाना कृष्ण लीला का वर्णन	सजगता सर्तकता के गुण उत्पन्न करना चिंतनशीलता विकसित करना नैतिक मूल्यों का विकास करना
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## अगस्त

पाठ—5 कैदी और कोकिला पाठ—6 मेरे संग की औरते पाठ—7 सॉवले सपनों की याद	कारक,लिंग ,वचन का विशेषण पर प्रभाव अपठित पद्यांश विज्ञापन अनुच्छेद	कारक,लिंग ,वचन	समानार्थक शब्दों का ज्ञान लैंगिक समानता के प्रति संवेदनशील बनाना मौलिक चिंतन का विकास करना
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## सितम्बर

पाठ—8 नाना साहब की पुत्री देवी नैना पाठ—9 ग्रमश्री	परसर्ग ने का क्रिया पर प्रभाव अपठित गद्यांश पर्यायवाची	कविता चयन एवं वाचन विशेषणों का निर्माण महीने के अनुसार	खोज की प्रवृत्तिको बढ़ावा देना मंचन के लिए अनिवार्य तत्वों की जानकारी
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## अक्टूबर

पाठ-10 चंद्रगहना से लौटती बेर पाठ-11 रीढ की हड्डी	पत्र,निबंध अपठित पद्यांश चित्र वर्णन विज्ञापन	पर्वत्योहार की सूची बनाना नारालेखन	भारतीय संस्कृतिसे परिचितकराना उच्चशिक्षा के महत्वकोसमझाना लेखनकौशलकाविकास
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## नवम्बर

पाठ-12 प्रेम चंद के फटे जूते पाठ-13 मेघ आए पाठ-14 यमराज की दिशा	विलोम शब्द और श्रुतिसमभिन्नार्थक शब्द अपठित गद्यांश ,अनुच्छेद	साहित्यिक अभिरुची उत्पन्न करना गाँव और शहर के बीच की दूरी कम करना साक्षात्कार विद्या से परिचय कराना	हास्य व्यंग्य लेखन चित्रों के आधार पर कहानी लेखन लेखन कौशल का विकास समाचार पत्र की कतरन
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## दिसम्बर

पाठ-15 माटीवाली पाठ-मेरे बचपन के दिन पाठ-16 एक कुत्ता और मैना पाठ-17 बच्चे काम पर जा रहे है पाठ-18 किस तरह आखिर मै हिन्दी में आया	पत्र,निबंध अपठित पद्यांश,चित्र वर्णन,विज्ञापन,विराम चिन्ह  पर्यायवाची ,शब्द ,सर्वनाम अपठित गद्यांश, अनुच्छेद	श्रम के महत्व से परिचित आशु-भाषण अनुभव लेखन कराना  वाक्य निर्माण सचित्र फाईल	चित्रांकन अथवा मिट्टी से वस्तु निर्माण वाचन क्षमता को प्रभावी बनाना लेखन कौशल का विकास गायन शैली का विकास करना खोज की प्रवृत्ति विकसित करना लेखन कौशल का विकास
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## जनवरी फरवरी

### पुनरावृत्ति

#### Reference Book/ Web link:-

[www.hindikunj.com](http://www.hindikunj.com) [www.slideshare.net/dahiyamohit/hindi-project-alankar](http://www.slideshare.net/dahiyamohit/hindi-project-alankar)

[sangyakiparibhasha.blogspot.com/.../definition-of-san...](http://sangyakiparibhasha.blogspot.com/.../definition-of-san...) [www.arshakulam.org/pdf/sanskrit/sandhihandbook.pdf](http://www.arshakulam.org/pdf/sanskrit/sandhihandbook.pdf)

[www.hindilearner.com/hindi\\_basics/hindi\\_grammar.html](http://www.hindilearner.com/hindi_basics/hindi_grammar.html)

[www.lonweb.org/links/link-hindi.htm](http://www.lonweb.org/links/link-hindi.htm) [www.lonweb.org/links/link-hindi.htm](http://www.lonweb.org/links/link-hindi.htm)

# MATHS

CHAPTER	LEARNING OBJECTIVE	KEY CONCEPT /VALUE POINT
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## APRIL

1.Number System	To enable the students to understand the properties of rational and irrational numbers -To develop drawing skill To understand the laws of radicals	Irrational Numbers, Real Numbers & their decimal expressions. Representing Real Numbers on the number line. Operations on Real number .Existence of $\sqrt{x}$ for a given positive real number x. Laws of Exponents for Real Numbers.
2.Polynomial	To understand the application of remainder theorem and factor theorem. To learn the different techniques of factorization.	Polynomials in one variable. Zeroes of Polynomials. Remainder theorem. Statement and proof of factor theorem. Factorizing a polynomial. And a cubic polynomial by factor theorem. Algebraic Identities. -

**Reference Book/web link:** [http://en.wikipedia.org/wiki/Numeral\\_system](http://en.wikipedia.org/wiki/Numeral_system)

## MAY

3.Coordinate Geometry	To understand the two dimensional plane. To plot points in a graph paper	Introduction. Cartesian system. Plotting a point in the plane if its coordinates are given. Graph of linear equation as examples.
4.Heron's Formula	To find area of a triangle using heron's formula. To find area of Quadrilateral by applying Heron's formula	Introduction. Area of Triangle-by Heron's formula. Application of Heron's formula in finding area of Quadrilaterals.
5.Introduction to Euclid's Geometry	To learn the basic geometry.  To understand the relationship between Axiom and Theorem	Introduction. Euclid's Definitions, Axioms and Postulates. Equivalent versions of Euclid's fifth postulate. Showing the relationship between axiom and theorem.

**Reference Book/web link:** [http://en.wikipedia.org/wiki/Heron's\\_formula](http://en.wikipedia.org/wiki/Heron's_formula)  
[http://cbse.nic.in/publications/fa\\_maths\\_ix/Chapter-5.pdf](http://cbse.nic.in/publications/fa_maths_ix/Chapter-5.pdf)

## AUGUST

6. Lines and Angles.	To understand the different concepts related to lines and angles and its application.	Introduction. Basic terms and Definitions. Intersecting lines and Non intersecting lines. Pairs of angles. Parallel Lines and a Transversal. Lines parallel to the same line. Angle sum property of a Triangle.
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7. Triangles	<p>To understand the concept of congruency.</p> <p>To understand the various rules and theorems of congruency and its application.</p>	<p>Congruence of triangles. Criteria for congruence of triangles as SSS, SAS, ASA, and RHS.</p> <p>(prove) The angles opposite to equal sides of a triangle are equal and converse.</p> <p>Triangle Inequalities and relation between angle &amp; facing side inequalities in triangles.</p>
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**Reference Book/ Web link :** <http://www.geogebra.org/en/wiki/index.php/angles>

## SEPTEMBER

### REVISION

## OCTOBER

8.Linear Equation in two Variables	<p>To apply mathematical knowledge and skill to solve mathematical problems by developing abilities to analysis and see the inter-relationship involved.</p>	<p>Introduction of linear equations in two variables. Solution of a Linear Equation. Graph of linear equation in two variables. Equations of Lines parallel to x- axis and y- axis.</p>
9.Quadrilaterals	<p>To built upon their previous concept of quadrilaterals</p> <p>To apply the concept in solving problems.</p>	<p>1 (prove) The diagonal divides a parallelogram into two congruent triangles.</p> <p>2. (Motivate) In a parallelogram opposite sides are equal, and conversely.</p> <p>3. In a parallelogram opposite angles are equal, and conversely.</p> <p>4. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides are parallel and equal.</p>

**Reference Book/web link:**

[http://www.cpm.org/pdfs/skillBuilders/GC/GC\\_Extra\\_Practice\\_Section2.pd](http://www.cpm.org/pdfs/skillBuilders/GC/GC_Extra_Practice_Section2.pd)

## NOVEMBER

10. Area of parallelograms and Triangles	<p>To learn the properties of parallelograms and triangles &amp; Use for problem solving.</p>	<p>Review concept of area, recall area of a rectangle, triangle etc. Figures on the same base and between the same parallels.</p> <p>1 (prove) Parallelogram on the same base and between the same parallels have the same area.</p> <p>2. (Motivate) Triangle on the same base and between the same parallels is equal in area and its converse.</p>
11. Circles	<p>To understand the definitions and concept of circles.</p> <p>To apply the concepts in problem solving.</p>	<p>Circles and its related terms: A Review</p> <p>1(prove) Equal chords of a circle subtended equal angles at the centre and (motivate) its converse.</p> <p>2. (Motivate) The perpendicular from the centre of a circle to a chord bisects the chord and conversely, the line drawn through the centre of a circle to bisect a chord is perpendicular to the chord.</p>

Reference Book/web link: <http://schools.aglasem.com/1713>

## DECEMBER

12. Surface areas and Volumes.	To understand the difference between curved surface and total surface area. To understand the different formulae and apply them in problem solving.	Introduction, Surface area of a cuboid and a cube. Surface area of a right circular cylinder and a cone. Surface area of a sphere and hemisphere.
13. Constructions	To acquire the skill of drawing geometrical figures with accuracy and neatness.	Construction of bisectors of line segments & angles, $60^\circ, 90^\circ, 45^\circ, etc.$ Equilateral triangles. Construction of a triangle given its base, sum/difference of the other two sides and one base angle.

Reference Book/web link: <http://study.com/learning/area-of-parallelograms-and-triangles.html?eg=245f586bf704b5a961efbb60a7b00420&rcntxt=aws&crt=7610925004>

<http://www.mathopenref.com/constructions.html>

## JANUARY

14. Statistics	To collect information and represent it in the form of graphs. To interpret tables and graphs. To apply knowledge of statics in daily life.	Introduction, Collection of data, Presentation of data – tabular form, ungrouped/grouped, bar graph, histograms, frequency polygons, quality analysis of data to choose the correct form from of presentation for the collected data. Mean, Median, mode of ungrouped data. History. Repeated experiments and observed frequency approach to probability. Focus is on empirical probability.
15. Probability	To understand the theory of chance and apply it to solve problems.	

Reference Book/ Web link:

[Rashmikathuria.webs.comMathematics24x7.ning.com/profile/Rashmikathuria](http://Rashmikathuria.webs.comMathematics24x7.ning.com/profile/Rashmikathuria)

## FEBRUARY

### REVISION

# SCIENCE

CHAPTER & KEY CONCEPT	LEARNING OBJECTIVE	ACTIVITY
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## APRIL

<p><b>Ch-1 Matter Around Us (Chemistry)</b></p>	<p>List the characteristics of matter Differentiate among solids, liquids and gases Define melting and boiling point</p>	<p>To separate the components of a mixture of sand, common salt and ammonium chloride (or camphor) by sublimation. To determine the melting point of ice and the boiling point of water. To prepare stained temporary mounts of onion peel and human cheek cells and to record observations and draw their labelled diagrams. To determine the mass percentage of water imbibed by raisins.</p>
<p><b>Ch-5 The Fundamental Unit of Life (Biology)</b></p>	<p>State the important points of cell theory Differentiate between prokaryotic and eukaryotic cells; uni and multicellular organisms Explain the structure and function of plasma membrane Define osmosis and its importance in plants and animals</p>	

**Reference Book/ Web link :** [www.nios.ac.in/media/documents/secscicour/English/Chapter-2.pdf](http://www.nios.ac.in/media/documents/secscicour/English/Chapter-2.pdf)

## MAY

<p><b>Ch-8 Motion (Physics)</b></p>	<p>Differentiate between distance and displacement Calculate speed &amp; average speed Define and calculate acceleration Calculate acceleration and distance from the graph Describe the motion of an object moving at uniform acceleration using three equations of motion</p>	
<p><b>Ch- 9 Force and Laws of Motion (Physics)</b></p>	<p>Define force and list its effects Find out the direction of movement of an object when two forces act upon it State first law of motion, Define inertia State the relation between inertia and mass State Second law of motion State the third law of motion</p>	<p>To establish relationship between weight of a rectangular wooden block lying on a horizontal table and the minimum force required to just move it using a spring balance</p>

**Reference Book/ Web link** <http://www.excellup.com/classnine/sciencenine/motionnine1.asap.x>

## JULY

<p><b>Ch-2</b> Is Matter Around Us Pure (Chemistry )</p>	<p>Define mixture and differentiate between its types Differentiate among solution, suspension and colloids Describe the method to obtain coloured component from blue black ink, separate cream from milk and separate mixture of two immiscible liquids</p> <p>Give reasons why plants and animals are made up of different type of tissues Explain the location and function of meristematic tissues in plants Draw and explain the structure of different types of permanent tissue and also their functions Differentiate between structure and function of plants and animals are made up of different type of tissues</p>	<p>To prepare:</p> <p>a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of transparency, filtration criterion and stability</p> <ul style="list-style-type: none"> <li>• To prepare</li> </ul> <p>a) a mixture b) a compound using iron filings and sulphur powder.</p> <p>To identify parenchyma and sclerenchyma tissues in plants, striped muscle fibres and nerve cells in animals, from prepared slides and to draw their labelled diagrams</p>
<p><b>Ch-6</b> Tissues (Biology)</p>	<p>Define mixture and differentiate between its types Differentiate among solution, suspension and colloids Describe the method to obtain coloured component from blue black ink, separate cream from milk and separate mixture of two immiscible liquids</p> <p>Give reasons why plants and animals are made up of different type of tissues Explain the location and function of meristematic tissues in plants Draw and explain the structure of different types of permanent tissue and also their functions Differentiate between structure and function of plants and animals are made up of different type of tissues</p>	<p>To prepare:</p> <p>a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of transparency, filtration criterion and stability</p> <ul style="list-style-type: none"> <li>• To prepare</li> </ul> <p>a) a mixture b) a compound using iron filings and sulphur powder.</p> <p>To identify parenchyma and sclerenchyma tissues in plants, striped muscle fibres and nerve cells in animals, from prepared slides and to draw their labelled diagrams</p>

Reference Book/ Web link <http://www.excellup.com/classnine/sciencenine/motionnine1.aspx>

## AUGUST

<p><b>Ch-10</b> Gravitation (Physics)</p>	<p>Define centripetal force and gravitational force Calculate gravitational force between earth and an object on the surface of the earth Explain the importance of the universal law of gravitation Motion of object under earth's gravitational force.</p>	<p>to test the presence of starch in the given food sample</p> <p>To test the presence of adulterant metanil yellow in dal.</p>
<p><b>Ch-15</b> Improvement in Food Resources (Biology)</p>	<p>Explain the methods of improvement in crop variety, crop protection List the advantage of organic farming</p>	<p>to test the presence of starch in the given food sample</p> <p>To test the presence of adulterant metanil yellow in dal.</p>

Reference Book/ Web link

<http://csep10.phys.utk.edu/astr161/lect/history/newtongrav.html>

Reference Book/ Web link <http://www.excellup.com/classnine/sciencenine/motionnine1.aspx>

## SEPTEMBER

### REVISION

# OCTOBER

<p><b>Ch-10</b> Thrust and Pressure <b>(Physics)</b></p>	<p>Explain the relation between pressure and thrust and apply in daily life example Explain why objects float or sink when placed on the surface of water</p> <p>Write the scientific definition of work Calculate work done by a force on body which is displaced in the direction of force Calculate kinetic energy Calculate potential energy</p>	<p>To determine the density of solid by using a spring balance and a measuring cylinder To establish the relation between the loss in weight of a solid when fully immersed in tap water, strong salty water.</p>
<p><b>Ch-11</b> Work and Energy <b>(Chemistry)</b></p>		

**Reference Book/ Web link :** [www.excellup.com/classnine/sciencenine/gravitynine3.aspx](http://www.excellup.com/classnine/sciencenine/gravitynine3.aspx)

# NOVEMBER

<p><b>Ch-7</b> Diversity in Living Organisms <b>(Biology)</b></p>	<p>Write the primary characteristics on which the division of organisms is made. Write the five kingdoms classification given by Whittaker and subdivision into sub groups at various levels, List the salient features of divisions of Kingdom Plantae Classify Animilia based on the extent</p>	<p>To study the characteristics of Spyrogyra-Agaricus, Moss-Fern, Pinups (either with male or female cone) and angiosperm plant. To observe and draw the given pictures / charts – earthworm, cockroach, bony fish and bird. To study the external features of root, stem, leaf and flower of dicot and monocot plants.</p>
<p><b>Ch-12</b> Sound <b>(Physics)</b></p>	<p>Explain how is sound produced Explain how does sound travel Explain why are sound waves called mechanical waves wavelength and frequency Describe echo and reverberation Calculate the distance of the reflecting surface</p>	<p>To verify laws of reflection of sound. To determine the velocity of a pulse propagated through a stretched string / slinky</p>

**Reference Book/web link: Reference Book/ Web link :**  
<https://rarediseases.info.nih.gov/GARD/>, [www.slideshare.net/ERCJPP](http://www.slideshare.net/ERCJPP)

# DECEMBER

<b>Ch-3</b> Atoms and Molecules <b>(Chemistry)</b>	State the law of conservation of mass and law of constant proportion <ul style="list-style-type: none"><li>• State the postulates of Dalton's atomic theory</li><li>• Define one atomic mass unit</li><li>• Write the molecule of different element and compounds</li><li>• Define anion and cation</li></ul>	To verify the law of conservation of mass in a chemical reaction
<b>Ch-4</b> <b>Structure of Atom</b> <b>(Chemistry)</b>	Name the charges present in an atom. <ul style="list-style-type: none"><li>• Explain the model and write its drawbacks</li><li>• Write the distribution of electrons in different shells</li><li>• Define atomic number and atomic mass</li><li>• Define health</li><li>• Define diseases and state its causes</li></ul>	
<b>Ch-13</b> <b>Why do we fall ill?</b> <b>(Biology)</b>	<ul style="list-style-type: none"><li>• Explain the modes of transmission of different diseases</li><li>• State the principles of treatment; principle of prevention and principle of immunisation</li></ul>	To study the lifecycle of mosquito
<b>Ch-14</b> <b>Natural Resources</b> <b>(Biology)</b>	Explain air as a blanket of the earth <ul style="list-style-type: none"><li>• Describe the movement of winds consequences</li><li>• Draw and explain bio geo chemicals</li><li>• Explain green house gases</li><li>• Describe ozone hole, where is it found and its effects</li></ul>	

**Reference Book/ Web link :** <https://rarediseases.info.nih.gov/GARD/>,  
[www.slideshare.net/ERCJPP/why-do-we-fall-ill-23566051](http://www.slideshare.net/ERCJPP/why-do-we-fall-ill-23566051)

## JANUARY-FEBRUARY-REVISION

## SOCIAL SCIENCE

UNIT NO. & LESSON	LEARNING OBJECTIVE	ACTIVITY
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### APRIL

<p>Ch-1 French Revolution <b>(History)</b></p> <p>Ch-1,2 What is democracy? Why democracy? <b>(CIVICS)</b></p> <p>Ch-2 India, Size &amp; Location <b>(GEOGRAPHY)</b></p>	<p>Familiarize students with the names of people involved, the different types of ideas that inspired the revolution, the wider forces that shaped it. Develop conceptual skills of defining democracy</p> <p>Understand how different historical processes and forces have promoted democracy.</p> <p>To understand the major landform features and the underlying geological structure</p> <p>Their association with various rocks and minerals as well as nature of soil types.</p>	<p>Picture Study: Different Symbols used during French Revolution</p> <p>Assignment of Difference between democratic &amp; Non Democratic Government</p> <p>Map Work: Location Relief structure, major physiographic units</p>
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**Reference Book/web link: [bastille-day.com](http://bastille-day.com)**

### MAY

<p>Ch-2 Rise of Nazism <b>(HISTORY)</b></p> <p>Ch-1 The economic story of Palampur <b>(ECONOMICS)</b></p>	<p>Discuss the critical significance of Nazism in shaping the politics of modern world. Familiarize students with the speeches and writings of Nazi leaders.</p> <p>Familiarizing the children with some basic economic concepts through an imaginary story of a village</p>	<p>Letter Writing: About Hitler's Autocratic power</p> <p>Collage on Different factors of production (land, labour capital &amp; entrepreneurs)</p>
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**Reference Book/web link: [en.wikipedia.org/wiki/PoliticsofIndia](http://en.wikipedia.org/wiki/PoliticsofIndia)**

### JULY

<p>Ch-3 Designing of Democracy in India <b>(CIVICS)</b></p> <p>Ch-2 Drainage <b>(GEOGRAPHY)</b></p> <p>Ch-2 People as Resource <b>(ECONOMICS)</b></p>	<p>Develop respect for the Constitution and appreciation for Constitutional values</p> <p>Recognize that constitution is a living document that undergoes changes.</p> <p>Understand the river systems of the country and explain the role of rivers in the evolution of human society.</p> <p>Familiarization of a few population related concepts and sensitization of child that people as asset can participate and contribute in nation building</p>	<p>Make a constitution book for your classroom</p> <p>Map Work: Major rivers and tributaries</p> <p>Paragraph Writing: Importance of human Resource</p>
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**Reference Book/web link: <https://www.wsws.org/en/articles/2008/10/1923-o30.html>**

## AUGUST

<p>Ch-8 History of Cricket <b>(HISTORY)</b></p>	<p>Explain changes in the game of Cricket Describe the role of T.V. in the game of cricket Appreciate the role of Cricket in the economy of a nation Develop an appreciation of citizen's increased participation in electoral politics Recognise the significance of the Election Commission</p>	<p>A collage on the changing nature of cricket &amp; role of technologies.</p>
<p>Ch-4 Electoral politics in democracy <b>(CIVICS)</b></p>	<p>Define weather &amp; climate, Appreciate the importance of Monsoon &amp; Critically analyse the change in climatic conditions &amp; Global warming</p>	<p>Mock Election Procedure</p>
<p>Ch-4 Climate <b>(GEOGRAPHY)</b></p>	<p>Assignment on implications of Monsoon</p>	

**Reference Book/web link:** [www.wwfindia.org](http://www.wwfindia.org)

## SEPTEMBER

<p>Ch 5-Institutions of parliamentary democracy <b>(CIVICS)</b></p>	<p>Sensitise to the key role of the Parliament and its procedures Distinguish between nominal and real executive authorities and functions Understand the parliamentary system of executive's accountability to the legislature</p>	<p>Group Discussion on Political &amp; Permanent Executive</p>
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**Reference Book/web link:** <http://kids.asiasociety.org/stories/king-stands>

## OCTOBER

<p>Ch-5 Natural Vegetation &amp; Wildlife <b>(GEOGRAPHY)</b></p>	<p>To find out the nature of diverse flora as well as their distribution; To develop concern about the need to protect the bio-diversity of our country; To develop concern about the need to protect the bio-diversity of our country;</p>	<p>Scrap Book on Flora &amp; Fauna</p>
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**Reference Book/web link:** <http://prabhu.50g.com/earliest/punchmrk.html>

## NOVEMBER

<p>Ch 4-Peasants &amp; Farmers <b>(HISTORY)</b></p>	<p>Explain how oral traditions can be used to explore tribal revolts. Show the different processes through which agrarian transformation may occur in the modern world.</p>	<p>Survey: Nearby Farmland</p>
<p><b>Ch 6-Population (GEOGRAPHY )</b></p>	<p>To analyse the uneven nature of population distribution and show concern about the large size of our population To understand the various</p>	<p>Debate: Population as an Asset.</p>

occupations of people and explain various factors of population change

**Reference Book/web link:** merinews.com, rural.nic.in, presstv.ir, povertychallenge.com

## DECEMBER

Ch 5-Citizens'rights in democracy  
**(CIVICS)**

Develop a citizens' awareness of their rights  
Introduction to and appreciation of the Fundamental Rights  
Recognition of the ways in which these rights are exercised and denied in real life situations.  
Introduction to judicial system and key institutions like the Supreme Court, High Courts and National Human Rights Commission

Write a letter to your friend telling him/her about Guatnamo Bay Jail & the treatment to the prisoners kept there after Twin Tower attack

Ch-4 Food Security :  
Source of food grains  
**(ECONOMICS)**

Exposing the child to an economic issue which is basic necessities of life  
Appreciate and critically look at the role of government in ensuring food supply

Paragraph Writing: How natural calamities affect Food Security

**Reference Book/web link:** [en.wikipedia.org/wiki/PublicDistributionSystem](http://en.wikipedia.org/wiki/PublicDistributionSystem)

## JANUARY -FEBURARY

## REVISION

# COMPUTER

UNIT NO. & LESSON	LEARNING OBJECTIVE	PRACTICAL
APRIL		
<p><b>Ch-1 Convergence and Computing Technology</b>                      Convergence Technology                      History of Convergence                      Reasons of Convergence                      Types of Convergence</p> <p><b>Ch-2 Computer System</b>                      Characteristics and Limitation of a computer                      Application of computer                      CPU and its components                      Memory Unit                      ALU</p>	<ul style="list-style-type: none"> <li>• To know about convergence of technology, its types and reason</li>   <li>• To explain definition of computer, characteristics, limitation, application of computer</li> <li>• To know about parts of computer and its importance</li> </ul>	<p>Make a chart on History of Computers by collecting pictures and information on early computers</p>

**Reference Book/web link:** [http://en.wikipedia.org/wiki/operating\\_System](http://en.wikipedia.org/wiki/operating_System)

## MAY

<p><b>Chapter-3 Input and Output devices</b>                      The Input Unit                      The Output Unit                      Storage Devices</p>	<ul style="list-style-type: none"> <li>• To identify Input Unit, Output Unit and Storage Devices a</li> <li>• To explain their functions</li> </ul>	<p>Collect Pictures of Input Process &amp; Output devices</p>
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**Reference Book/web link:** [WWW.exceltutorial.com](http://WWW.exceltutorial.com)

## JULY

<p><b>Ch-4 Computer Software and its types</b>                      Software and its classification</p> <p><b>Ch-5 Communication Technology</b>                      Computer Networks and its types                      Internet and its uses                      Transmission Medium                      Data and Information</p> <p><b>Ch-6 Linux</b>                      Operating System                      Boss Linux Operating System                      Managing Files &amp; Folders</p>	<ul style="list-style-type: none"> <li>• To define Software, its types &amp; Programming Language</li> <li>• To know about modem &amp; Internet and its importance</li> <li>• To know about modem &amp; Internet and its importance</li> <li>• To know the medium of transmission</li>   <li>• To explain importance of Operating System</li> <li>• To manage files and folders</li> </ul>	<p>Make a chart of software and its types</p>
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**Reference Book/web link:** [WWW.exceltutorial.com](http://WWW.exceltutorial.com)

# AUGUST

**Ch-7 Windows**

Features of Windows 7  
Starting Windows  
Desktop and its icon  
Desktop Setting  
Mouse Setting

- To explain features of Window 7
- To identify Desktop and its icon
- To change the setting of Desktop ,Mouse

identify Desktop and its icon  
changing the setting of Desktop and Mouse

**Ch-8 Openoffice.Org writer-I**

Introduction to Word Processor and its features  
Creating, Saving, Closing and Opening word document

- To use MS Word to as a text editor software
- Create, Save, Close and Open word document

Creating, Saving, Closing and Opening word document

Reference Book/web link: [WWW.exceltutorial.com](http://WWW.exceltutorial.com)

# SEPTEMBER

## REVISION

Reference Book/web link: [WWW.exceltutorial.com](http://WWW.exceltutorial.com)

# OCTOBER

**Ch-9 Openoffice.Org writer-II**

Character, Paragraph and page formatting  
Numbering Pages  
Inserting Symbols

To format Character, Paragraph and page in Writer  
To add Number in writer Page  
To Insert Symbols in Writer

Formatting Character, Paragraph and page in Writer  
Adding Number in writer Page  
Inserting Symbols in Writer

**Ch-10 Openoffice.Org writer-III**

Inserting Graphics  
Creating drawing objects  
Grouping and ungrouping multiple drawing objects  
Bullets and Numbering  
Tracking Change  
Table  
Mail Merge  
Printing a document

- Inserting Graphics
- Creating drawing objects
- Grouping and ungrouping multiple drawing objects
- Bullets and Numbering
- Tracking Change
- Table
- Mail Merge
- Printing a document

Inserting Graphics  
Creating drawing objects  
Grouping and ungrouping multiple drawing objects  
Bullets and Numbering  
Tracking Change  
Creating, editing Table  
Mail Merge  
To use MS Word to create word document

**Ch-11 Openoffice.Org Impress-I**

Starting Impress  
The Impress Window  
Basic Elements of a slide  
Slide Layout Different views of a slide

- To create Power Pont Presentation  
To change slide layout

To add Tables in MS Word

- To insert sound in slides

Reference Book/web link: [WWW.exceltutorial.com](http://WWW.exceltutorial.com)

# NOVEMBER

**Ch-12 Openoffice.Org  
Impress-II**

Adding and modifying slide  
Inserting header and footer  
Grouping and ungrouping multiple drawing objects  
Animation

- To Add and modify slide
- To Insert header and footer
- To do Grouping and ungrouping of multiple drawing objects
- To add Animation in slide

Making PPT using various features and adding animation and effects to make it more attractive

**Ch-13 Open office.Org  
Calc-I**

Creating a new Workbook  
Inserting, Saving, Naming, Deleting, Moving, Coping and opening an existing spread sheet

- To Create a new Workbook
- To Insert, Save, Name, Delete, Move, Copy a worksheet
- To open an existing spread sheet

Creating a new Workbook  
Inserting, Saving, Naming, Deleting, Moving, Coping and opening an existing spread sheet  
To create Excel Sheet  
To display data in graphic form

Reference Book/web link: [WWW.popera.com](http://WWW.popera.com), [WWW.pandasecurity.com](http://WWW.pandasecurity.com)

## DECEMBER

**Ch-14 Open office.Org  
Calc-II**

Chart and its types  
Components of Chart

- To create different types of chart
- To identify the components of chart

Converting data in graphical format  
To create Power Pont Presentation  
To insert sound in slides

**Ch-15 Societal Impact  
of IT**

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

- To know about ICT and its benefits
- Impact of ICT
- To explain Security and integrity of information
- To tell drawbacks of Software Piracy
- Careers in IT

Reference Book/web link: [WWW.schoolfreeware.com](http://WWW.schoolfreeware.com)

## JANUARY-FEBRUARY

## PROJECT WORK

# ART EDUCATION

## SEPTEMBER-OCTOBER

CHAPTER & KEY CONCEPT	ACTIVITY	LEARNING OBJECTIVE
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## APRIL-MAY

Basic of art	Line types Line directions Shapes	*children sketching skills will improve. Able to catch the rite figure in forms.
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Reference Book/web link: [www.google.com](http://www.google.com)

## JULY-AUGUST

Rhthm& grace, action Still life study Nature study Landscape	Drawings & paintings of natural objects drawings & paintings of Natural objects Natural scene making With water colors	Perspective objects observation improvement
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Reference Book/web link: [www.google.com](http://www.google.com)

Body proportions Printing Card designing Story board&poster Making Calligraph	Full figure sketching T-shirt designing,& printing with other things Card designing on social topics Comics designing & posters on diff. Issues Writing	*creativity will improve.
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Reference Book/web link: [www.google.com](http://www.google.com)

## NOVEMBER-DECEMBER

Collage making Rangoli art Mehandi Texture designing Glass painting	3-d collage, and paper collage techniques Temprory rangoli& others Designs of mehndi on drawing sheets Skills to create different textures	Painting skills will improve.
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Reference Book/web link: [www.google.com](http://www.google.com)

## JANUARY-FEBRUARY

Artist history (legends that inspire) Revision & worksheet	Theory Worksheet to get assessment marks	They will get inspire from
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Reference Book/web link: [www.google.com](http://www.google.com)

# PHYSICAL EDUCATION PLANNER

Week	Week-1	Week-2	Week-3	Week-4
<b>APRIL</b>	<b>Level – 2</b> Mini Basketball Practice Introduction <b>Session – I</b> <b>Ball Handling/Body Management</b> <b>Intro Activity</b> Ball Control Skill Practice <b>1. RUNNING, CHANGING DIRECTION</b>	<b>Session – II</b> <b>2. JUMP STOP/STRIDE STOP/PIVOT</b> <b>Skill Development</b> <b>Dribbling</b> <b>Skill Related Fun Based Dribbling -</b> 1. Discovery Dribbling 2. Flash Fingers	<b>Session – II</b> <b>Skill Development</b> <b>Dribbling</b> <b>Skill Related Fun Based Dribbling</b> 1. Discovery Dribbling 2. Flash Fingers 3. Bongo Dribbling 4. Signal Dribbling	<b>Session – III</b> <b>Skill Development</b> <b>Passing/ Receiving</b> 1. RECVING/ DOUBLE – HANDED CHEST PASS 2. DOUBLE HANDED BOUNCE PASS
<b>MAY</b>	<b>Session – IV</b> <b>Skill Development</b> <b>Game – 3 V 3 Match Practice</b>	<b>PHYSICAL TEST</b> <b>Skill Assessment</b> KWS INTER HOUSE TUG OF WAR CHALLENGE <b>(Jr. +Sr.Girls&amp;Boys)</b>	SUMMER BREAK START <b>SUMMER CAMP</b> <b>Week –1<sup>st</sup></b>	<b>SUMMER CAMP</b> <b>Week– 2<sup>nd</sup></b>
<b>JUNE</b>	<b>SUMMER CAMP</b> <b>Week– 3<sup>rd</sup></b>	<b>SUMMER CAMP</b> <b>Week– 4<sup>th</sup></b>	SUMMER BREAK	SUMMER BREAK OVER
<b>JULY</b>	<b>Repeat Activity</b> <b>Session – I</b> <b>Session – II</b>  <b>Modified Basketball Match Practice (Chair Ball) &amp; Team Selections</b> <b>Game – 3 V 3</b>	<b>Session – VII</b> <b>Defensive Positioning</b> <b>1 DEFENSIVE POS.</b>  <b>2 MODIFIED BASKET BALLS MATCH(Chair Ball)</b>	Inter Class Mini Basketball Carnival <b>Round 1.</b> <b>Round 2.</b> KWS INTER HOUSE Swimming CHALLENGE <b>(Jr. +Sr. Girls &amp; Boys)</b> Qualifying Round's	Inter Class Mini Basketball Carnival  <b>Round 3.</b> <b>Round 4.</b>
<b>AUGUST</b>	Inter Class Mini Basketball Carnival  <b>Round 5.</b> <b>Round 6.</b>	Cricket - Level 2 <b>Session– I</b> <b>Throwing &amp; Fielding</b> <b>Skill Development</b> Catching - Under Arm, Over arm Throw& Defensive Fielding <b>Game Classic</b> Catches	Cricket -Level 2 <b>Session – II/III</b> <b>Throwing, &amp; Fielding</b> <b>Skill Development</b> <b>Throwing , Catching &amp; Batting Practice</b> KWS INTER HOUSE BADMINTON CHALLENGE <b>(Sr. Girls &amp; Boys)</b>  Qualifying Round's	29 <sup>th</sup> Aug National Sports Day <b>National Sports Week</b> <b>Celebration Sports Exhibition</b> Inter Class Sports Quiz week KWS INTER HOUSE BADMINTON CHALLENGE <b>(Sr. Girls &amp; Boys)</b>  Final Round's
<b>SEPT.</b>	<b>PHYSICAL FITNESS TEST</b>	Cricket Level 2 <b>Session – II/III</b> <b>Throwing, Fielding</b> <b>Batting &amp; Bowling</b> <b>Skill Development</b> Forward Drive Practice	Cricket Level 2 <b>Session IV</b> <b>Batting / Bowling</b> <b>Skill Development</b> <b>Batting Stance (Forward drive)</b> KWS INTER HOUSE t.t(Sr. Boys)CHALLENGE &throw ball <b>(Jr. Girls &amp;Boys / Sr. Girls &amp; Boys)</b> Qualifying Round's	Cricket Level 2 <b>Session IV</b> <b>Batting / Bowling</b> <b>Skill Development</b> <b>Batting Stance (Forward drive) (Boys)CHALLENGE &amp; throw ball</b> <b>(Jr. Girls &amp;Boys / Sr. Girls &amp; Boys)</b> Final Round's

<b>Week</b>	<b>Week-1</b>	<b>Week-2</b>	<b>Week-3</b>	<b>Week-4</b>
<b>OCT.</b>	SPORTS TALENT HUNT <b>(Sports Kids of the Year Award)</b> INTER CLASS CRICKET CRNIVAL <b>Round 1.</b> <b>Round 2.</b> KWS INTER HOUSE knock out Cricket CHALLENGE <b>(Sr. Girls &amp; Boys)</b>	INTER CLASS CRICKET CRNIVAL <b>Round 3.</b> <b>Round 4.</b> KWS INTER HOUSE Knock out cricket CHALLENGE <b>(Sr. Girls &amp; Boys)</b> <u>Qualifying Round's</u>	INTER CLASS CRICKET CRNIVAL <b>Round 5.</b> <b>Round 6.</b>	INTER CLASS CRICKET CRNIVAL <b>Round 7.</b> <b>Round 8.</b> KWS INTER HOUSE Knock out cricket CHALLENGE <b>(Sr. Girls &amp; Boys)</b> <u>Semi Final &amp; Final Round's</u>
<b>NOV.</b>	Sports Day Practice 1 <sup>st</sup> week	Sports Day Practice 2 <sup>nd</sup> week Cricket Mania <b>14 Nov Children's Day Students Vs Teacher's Cricket Match</b>	Sports Day Practice 3 <sup>rd</sup> week	Sports Day Practice 4 <sup>th</sup> week  <b>Annual Sports Day 29<sup>th</sup> Nov</b>
<b>DEC.</b>	ROO BALL <b>LEVEL 1</b> <b>Session I</b> <b>Passing &amp; Controlling</b> <b><u>Skill Development</u></b> <b>Push Pass/Controlling the Ball</b> <b>Game "Defend a Target"</b>	ROO BALL <b>LEVEL 1 Session II</b> <b>Dribbling</b> <b><u>Skill Development</u></b> <b>Push Pass Revision</b> <b>Dribbling</b> <b>Game Leader ball or 3 Vs 3 match practice</b>	ROO BALL <b>LEVEL 1</b> <b>Session III</b> <b>Controlling (Inside of Foot)</b> <b><u>Skill Development</u></b> <b>Dribbling Revision</b> <b>Game - Shuttle Dribble</b> <b>Controlling (Inside of foot)</b> <b>Game - Corner Spry</b> <b><u>Game 3 Vs 3</u></b> KWS INTER HOUSE Soccer CHALLENGE <b>(Sr. Girls &amp; Boys)</b> <u>Qualifying Round's</u>	ROO BALL <b>LEVEL 1 Session IV</b> <b>Controlling (Thigh/Chest)</b> <b><u>Skill Development</u></b> <b>Dribbling &amp; Controlling Revision</b> <b>Controlling (Thigh/Chest)</b> <b>Game 3 Vs 3 or Rounder's</b> KWS INTER HOUSE soccer CHALLENGE <b>(Sr. Girls &amp; Boys)</b> <b><u>Semi Final &amp; Final Round's</u></b>
<b>JAN.</b>	<b>WINTER BREAK</b>	<b>WINTER BREAK OVER</b>	INTER CLASS ROOBALL CARNIVAL <b>Round 1.</b> <b>Round 2.</b> KWS INTER HOUSE Biography of favorite sports	INTER CLASS ROOBALL CARNIVAL <b>Round 3.</b> <b>Round 4.</b>
<b>FEB.</b>	FINAL ASSESMENT KWS INTER HOUSE Collage making	Fun &Team Building Games	Fun &Team Building Games <b>*Assessment Report Submit*</b>	Fun &Team Building Games
<b>MARCH</b>	Fun &Team Building Games	Fun &Team Building Games		Session End

**1. P.E TEST**

**2. HOLIDAY'S**

**2. TRAINING CAMP**

**3. INTER HOUSE MATCHES**

**4. INTER CLASS MATCHES**

**5. PRACTICE SCHEDULE**

**6. SPECIAL SPORTS EVENTS /INTER SCHOOL TOURNAMENTS**