

# YEARLY SYLLABUS SESSION (2020-21)



ENGLISH TERM #1 (Books Name:- WOW ENGLISH , WOW GRAMMAR AND COMPOSITION , GREAT EXPECTATIONS)

MONTH	SKILL/CONCEPT	CONTENT
APRIL	Reading Skill  Grammar and Writing Skill	Comprehension Course book _ Ch. 1 Being Neighbourly , Mending Walls Grammar and Composition _ Ch. 1 Determiners Part 1 Ch. 2 Determiners : Quantifiers , Ch. 3 Present Forms : Part1 , Ch. 4 Present Forms : Part 2 Notice Writing Great Expectation Ch. 1 Pip meets the convict Ch. 2 Pop and the dinner Party Notice Writing
MAY	Reading Skill  Grammar and Writing Skill	Comprehension Course book _ Ch. 2 Catch me if you can, Daffodils Grammar and Composition _ Ch. 5 Past Forms : Part 1, Ch. 6 Past Forms : Part 2 Letter Writing(Formal Letter) Great Expectation Ch. 3 Pip's visit to Miss Havisham's Ch. 4 Pip became an Apprentice to Joe
JULY	Reading Skill  Grammar and Writing Skill	Comprehension Course book _ Ch. 3 Uncle Podger hangs a picture, The Duel Grammar and Composition _ Ch. 7 The Future, Ch. 8 Non Finites, Ch. 9 Phrases and clauses Essay Writing Great Expectation Ch. 5 Pip 's great Expectations

		Ch. 6 Pip 's dream came true Ch. 7 Pip in London
<b>AUGUST</b>	Reading Skill  Grammar and Writing Skill	Comprehension Course book _ Ch. 4 The Walrus and the carpenter, Ch. 5 Sherlock Holmes, Night Voices Grammar and Composition _ Ch. 10 Modals Part 1, Ch. 11 Modals Part 2 Letter Writing(Informal Letter) Great Expectation Ch.8 Pip enjoys the London Life Ch. 9 Joe visited Pip Ch. 10 Pip met Estella
<b>SEPTEMBER</b>	Reading Skill  Grammar and Writing Skill	Comprehension Course book _ Ch. 6 The Saviours, Be the Best Grammar and Composition _ Ch. 12 Noun clauses, Ch. 13 Relative Clauses, Ch. 14 Adverb Clauses Great Expectation Ch. 11 Pip felt miserable Ch. 12 Pip 's Realisation Ch. 13 Pip thought of Estella Revision Work For Half Yearly

**ENGLISH TERM #2**

<b>MONTH</b>	<b>SKILL/CONCEPT</b>	<b>CONTENT</b>
<b>OCTOBER</b>	Reading Skill  Grammar and Writing Skill	Comprehension Course book _ Ch. 7 Sam Manekshaw The field Marshal 'Bahadur', A Nation's strength Grammar and Composition _ Ch. 15 Prepositions, Ch. 16 Descriptors : Adjectives and Adverbs, Ch. 17 Questions Message Writing Great Expectation Ch. 14 Pip meets his Benefactor Ch. 15 Pip 's Apprehensions Ch. 16 Pip 's visit to Walworth
<b>NOVEMBER</b>	Reading Skill  Grammar and Writing Skill	Comprehension , Course book _ Ch. 8 Mrs Packletide's Tiger, Ozymandias, Ch. 9 The day of an American Journalist in 2889 Grammar and Composition _ Ch. 18 Conditionals, Ch. 19 The Passive, Ch. 20 Reported Speech Diary Entry Writing Great Expectation Ch. 17 Strange encounters Ch. 18 Miss Havisham's penitence Ch. 19 Pip found Estella 's Identity
<b>DECEMBER</b>	Reading Skill  Grammar and Writing Skill	Comprehension Course book _ Ch. 10 The Rime of the Ancient Mariner Grammar and Composition _ Ch. 21 Vocabulary, Ch. 22 Sentence Transformation, Ch. 23 Subject - Verb agreement Story Writing Great Expectation Ch. 20 Pip got into Trouble Ch. 21 Provis met his end

		Ch. 22 Pip got a Surprise
<b>JANUARY</b>	Grammar and Writing Skill	Revision : Tenses, Clauses, Vocabulary , Comprehension Ch. 24 Comprehension , Ch. 25 Writing
<b>FEBRUARY</b>		Revision for Final Exam
<b>MARCH</b>		Final Exam

## HINDI TERM #1

माह	विषयवस्तु
अप्रैल	<p>वसंत (साहित्य) : पाठ:१ ध्वनि (कविता) पाठ:२ लाख की चूडियाँ व्याकरण : भाषा और व्याकरण, वर्ण विचार प्रेमचंद कहानियाँ :: पाठ:१. दो बैलों की कथा , क्रिया विधि :गाँव के शहरीकरण से प्रायः विलुप्त हो चुकी हस्तकलाओं की जानकारी प्राप्त कीजिये और कक्षा में इस विषय पर चर्चा कीजिए अपठित बोध ग्रामीण क्षेत्र की जानकारी कविता लेखन प्रतियोगिता</p>
मई	<p>वसंत (साहित्य) : पाठ:३ बस की यात्रा पाठ:४ दीवानों की हस्ती (कविता) व्याकरण : शब्द विचार ,संज्ञा प्रेमचंद कहानियाँ : पाठ:२.कजाकी क्रिया विधि :अपनी किसी अविस्मरणीय यात्रा से जुड़े अनुभव को चित्रण की सहायता से व्यक्त करते हुए लिखे 1.अनौपचारिक पत्र 2.अनुच्छेद लेखन</p>
जुलाई	<p>वसंत (साहित्य) : पाठ : ५ चिट्ठियों की अनूठी दुनिया ,पाठ : ६ भगवान के डाकिए (कविता) व्याकरण : लिंग ,सर्वनाम, वचन प्रेमचंद कहानियाँ : पाठ:३: पूस की रात. क्रिया विधि: :देश विदेश की विभिन्न डाक टिकटों का संग्रह कीजिये व उसका एक आकर्षक अलबम बनाइए। 1.अपठित गद्यांश 2. संवाद लेखन</p>

अगस्त	<p>वसंत (साहित्य) : पाठ :७. क्या निराश हुआ जाए पाठ: ८ यह सबसे कठिन समय नहीं (कविता)</p> <p>व्याकरण : काल ,विशेषण , क्रिया , वाच्य प्रेमचंद कहानियाँ : पाठ:४: मंत्र क्रिया विधि: .आप जीवन में किसे अपना आदर्श मानते हैं ?</p> <p>अपने आदर्श का चित्र चिपकाएँ उनके कोन से गुणों को आप अपनाना चाहते हैं और क्यों ?</p> <p>वाद विवाद प्रतियोगिता</p> <p>सूचना लेखन</p>
सितम्बर	<p>वसंत (साहित्य) :</p> <p>पाठ : ९. कबीर की साखियाँ</p> <p>पाठ : १०. कामचोर</p> <p>व्याकरण : पर्यायवाची शब्द ,कारक ,अव्यय ,शब्द भंडार</p> <p>प्रेमचंद कहानियाँ :पाठ: ५:नमक का दरोगा</p> <p>क्रिया विधि: आप घर के सदस्यों की किन किन कामों में सहायता करते हैं ? उन कार्यों कि सूची तैयार कीजिये  </p> <p>चित्र वर्णन</p> <p>विज्ञापन लेखन</p>



माह	विषयवस्तु
अक्टूबर	<p>वसंत (साहित्य) :  पाठ :११.जब सिनेमा ने बोलना सीखा पाठ :१२. सुदामा चरित  व्याकरण : उपसर्ग और प्रत्यय ,संधि प्रेमचंद कहानियाँ :पाठ:६: परीक्षा  क्रिया विधि : कृष्ण और सुदामा चरित पर लघु नाटिका  अपठित गद्यांश  रिपोर्ट लेखन</p>
नवंबर	<p>वसंत (साहित्य) : पाठ :१३ जहाँ पहिया हैं पाठ :१४ अकबरी लोटा  व्याकरण : मुहावरे ,अनेकार्थी शब्द ,समास प्रेमचंद कहानियाँ :पाठ:७.ईदगाह,पाठ:८. पंच  परमेश्वर  क्रिया विधि: “साईकिल प्रशिक्षण केन्द्र” के प्रचार प्रसार हेतु आकर्षक विज्ञापन तैयार कीजिये    कहानी लेखन  व्यावसायिक विधा से परिचय</p>
दिसंबर	<p>वसंत (साहित्य) :  पाठ :१५ सूरदास के पद पाठ :१६ पानी की कहानी  पाठ :१७ बाज और साँप  व्याकरण :मुहावरे और लोकोक्तियाँ , पदबंध ,विराम चिह्न  प्रेमचंद कहानियाँ :पाठ:८ सवा सेर गेहूँ  क्रिया विधि: माँ पर लघु नाटिका    जल संरक्षण पर पोस्टर डायरी लेखन</p>
जनवरी	पुनरावृत्ति कार्य
फरवरी	वार्षिक परीक्षा
मार्च	

**MATH TERM #1 (Book Name:-MATHS BLISS)**

MONTH	TOPIC	CONTENT
<p><b>APRIL</b></p>	<p>Ch-1 Rational Numbers Ch-3 Square and Square Roots Ch-4 Cube and Cube Roots</p>	<p><b><u>Rational Numbers</u></b></p> <ul style="list-style-type: none"> <li>• Rational Numbers</li> <li>• Equivalent Rational Numbers</li> <li>• Standard Form of a Rational Numbers</li> <li>• Addition and Subtraction of Rational Number</li> <li>• Properties of Addition and Subtraction of Rational Numbers</li> <li>• Simplification of Rational Numbers</li> <li>• Multiplication and Division of Rational Numbers</li> <li>• Properties of Multiplication And Division of Rational Numbers</li> <li>• Representation of Rational Numbers</li> <li>• Lab Activity</li> </ul> <p><b><u>Square And Square Roots</u></b></p> <ul style="list-style-type: none"> <li>• Square of a number</li> <li>• Perfect Squares</li> <li>• Properties of Square Roots</li> <li>• Some Interesting patterns Of Square Numbers</li> <li>• Adding Triangular Numbers</li> <li>• Pythagoras Triplets</li> <li>• Numbers between Square Numbers</li> <li>• Sum of consecutive Natural Numbers</li> <li>• Vedic Mathematics</li> <li>• Square Roots</li> <li>• Finding Square Roots by Repeating subtraction and Prime Factorisation</li> <li>• Square Root By Prime Factorisation, Division method And Decimal Numbers</li> <li>• Estimating Square Roots to the Nearest Whole Numbers</li> <li>• Approximating Square Roots</li> <li>• Lab Activity</li> </ul> <p><b><u>Cube And Cube Roots</u></b></p> <ul style="list-style-type: none"> <li>• Cube of a Number</li> <li>• Perfect Cube</li> <li>• Properties of Cube Roots</li> <li>• Cube of Rational Numbers</li> <li>• Cube Roots</li> <li>• Cube Roots of Perfect Cube by Prime Factorisation</li> </ul>

		<ul style="list-style-type: none"> <li>• Cube Roots of perfect Cube through Estimation and using Patterns</li> </ul> <p><b><u>Work Sheets</u></b>  Ch-1 Rational Numbers  Ch-3 Square and Square Roots  Ch-4 Cube and Cube Roots</p>
<b>MAY</b>	Ch-2 Power and Exponents Ch-5 Playing with Numbers	<p><b><u>Power and Exponents</u></b></p> <ul style="list-style-type: none"> <li>• Positive And Negative Integral Exponents</li> <li>• Laws of Exponents</li> <li>• Expressing Small Numbers in Standard Form</li> </ul> <p><b><u>Playing with Numbers</u></b></p> <ul style="list-style-type: none"> <li>• Numbers in General Form</li> <li>• Number Games</li> <li>• Letters for Digits</li> <li>• Magic Square</li> <li>• Tests of Divisibility</li> </ul> <p><b><u>Work sheet</u></b>  Ch-2 Power and Exponents  Ch-5 Playing with Numbers</p>
<b>JULY</b>	Ch-6 Algebraic Expressions and Factorisation Ch-7 Linear Equation in one Variable	<p><b><u>Algebraic Expressions and Factorisation</u></b></p> <ul style="list-style-type: none"> <li>• Monomials, Binomials And Polynomials</li> <li>• Degree of Algebraic Expressions</li> <li>• Addition, Subtraction and Multiplication of Algebraic Expressions</li> <li>• Multiplication of a Polynomial by Monomial</li> <li>• Multiplication of a Polynomial by a Polynomial</li> <li>• Special Products</li> <li>• Some Standard Identities</li> <li>• Division of Polynomial</li> <li>• Division of polynomial by a Monomial</li> <li>• Division of Polynomial by a Polynomial</li> <li>• Factorisation of Algebraic Expressions</li> <li>• Factor of a Monomial</li> <li>• HCF of Monomial</li> <li>• Factorisation of Regrouping of teams</li> <li>• Factorisation using Identities</li> <li>• Lab Activity</li> </ul> <p><b><u>Linear Equation in One Variable</u></b></p> <ul style="list-style-type: none"> <li>• Linear Equation in one Variable</li> </ul>



		<ul style="list-style-type: none"> <li>• Solution of a Linear equation in one variable</li> <li>• Solving an equation</li> <li>• Reducing equation in Simpler Form</li> <li>• Equations reducible to Linear equations</li> <li>• Some applications of linear equations in one variable</li> </ul> <p><b><u>Work Sheet</u></b> Ch-6 Algebraic Expressions and Factorisation Ch-7 Linear Equation in one Variables</p>
<b>AUGUST</b>	Ch-10 Understanding Quadrilaterals	<p><b><u>Understanding Quadrilaterals</u></b></p> <ul style="list-style-type: none"> <li>• Curve</li> <li>• Interior and Exterior of a curve</li> <li>• Polygons- Convex and Concave polygons</li> <li>• Quadrilaterals</li> <li>• Sum of Angles Property of a Quadrilateral</li> <li>• Sum of measures of exterior angles of a polygon</li> <li>• Classification of Quadrilateral</li> <li>• Elements and Properties of a parallelogram</li> <li>• Puzzle</li> <li>• Properties of a Square and Rectangles</li> <li>• Lab Activity</li> </ul> <p><b><u>Work sheet</u></b> Ch-10 Understanding Quadrilaterals</p>
<b>SEPTEMBER</b>	Ch-11 Construction Ch-12 Visualising Solid Shapes	<p><b><u>Constructions</u></b></p> <ul style="list-style-type: none"> <li>• Construction of Quadrilateral, parallelograms, Rhombus, Rectangles and Square</li> </ul> <p><b><u>Visualising Solid And Shapes</u></b></p> <ul style="list-style-type: none"> <li>• Polyhedron, Regular Polyhedron and Convex Polyhedron</li> <li>• Prisms</li> <li>• Pyramids</li> <li>• Euler's Formula</li> <li>• Matching shapes</li> <li>• View of 3-D Shades</li> <li>• Puzzle</li> <li>• Visualisation of 3-D shapes through nets</li> <li>• Nets of various Polyhedrons</li> </ul> <p><b><u>Work sheet</u></b> Ch-12 Constructions Ch-13 Visualising Solid Shapes</p>

**MATH TERM #2**

<b>MONTH</b>	<b>TOPIC</b>	<b>CONTENT</b>
<b>OCTOBER</b>	Ch-13 Mensuration	<p><b><u>Mensuration</u></b></p> <ul style="list-style-type: none"> <li>• Perimeter and Area of Plane Figures</li> <li>• Area of a Trapezium, Rhombus and Quadrilateral</li> <li>• Surface Area of a Solids, Cuboid and Cube</li> <li>• Volume Solids, Cuboid, Cylinder and Cube</li> <li>• Lab Activity</li> </ul> <p><b><u>Work sheet</u></b> Ch-14 Mensuration</p>
<b>NOVEMBER</b>	Ch-14 Data Handling Ch-15 Introduction to Graphs	<p><b><u>Data Handling</u></b></p> <ul style="list-style-type: none"> <li>• Reading of a Bar Graphs</li> <li>• Organising and Grouping Data</li> <li>• Grouped Frequency Distribution Table</li> <li>• Histogram, Reading of Histogram</li> <li>• Difference between Bar Graph And Histogram</li> <li>• Pie Charts/ Graphs</li> <li>• Drawing and Reading Pie Charts/ Graphs</li> <li>• <b>Probability</b></li> <li>• Teams related to Probability</li> <li>• Probability of an Event</li> <li>• Uses of Probability</li> <li>• Problems Relating Packs of 52 Cards</li> </ul> <p><b><u>Introduction to Graphs</u></b></p> <ul style="list-style-type: none"> <li>• The Cartesian Plane</li> <li>• Co-ordinates of a Point</li> <li>• Quadrants</li> <li>• Plotting Points in Cartesian Plane</li> <li>• Perimeter v/s Sides of a Square</li> <li>• Area v/s Side of a Square</li> <li>• Simple Interest v/s Number of years</li> <li>• Some Application and Reading of Graphs</li> <li>• Distance Time Graphs</li> <li>• Lab Activity</li> </ul> <p><b><u>Work sheet</u></b> ch-15 Data Handling</p>



		ch-16 Introduction to Graph
<b>DECEMBER</b>	Ch-8 Direct and Inverse variations (Proportion)	<b><u>Direct and Indirect Variation(Proportion)</u></b> <ul style="list-style-type: none"><li>• Direct Variation</li><li>• Inverse (Indirect) Variation</li><li>• Time, Work and Distance</li></ul> <b><u>Work sheet</u></b> Ch-8 Direct and Indirect Proportion
<b>JANUARY</b>	Ch-9 Comparing Quantities	<b><u>Comparing Quantities</u></b> <ul style="list-style-type: none"><li>• Recalling Ratios and Percentages</li><li>• Profit and Loss</li><li>• Discount</li><li>• Sales Tax/ Value Added Tax (VAT)</li><li>• Compound Interest</li><li>• Deducing Formula for C.I</li><li>• Application of C.I. Formula</li></ul> <b><u>Work Sheet</u></b> Ch-9 & 10 Comparing Qualities I and II ( Profit and Loss, Compound Interesy)
<b>FEBRUARY</b>		Revision Test
<b>MARCH</b>		Final Exams

MONTH	TOPIC	CONTENT
APRIL	CH-1 CROP PRODUCTION AND MANAGEMENT  CH-2 MICROORGANISM:FRIEND AND FOE	<ul style="list-style-type: none"> <li>• <b>CROP PRODUCTION AND MANAGEMENT</b></li> <li>• AGRICULTURE</li> <li>• AGRICULTURAL PRACTICES</li> <li>• FOOD FROM ANIMALS</li> <li>• CROPS AND CROPPING PATTERNS</li> <li>• INCREASING CROP YIELDS</li> <li>• <b>MICROORGANISMS</b></li> <li>• WHERE DO MICROORGANISM LIVE</li> <li>• MAJOR GROUPS OF MICROORGANISMS</li> <li>• USEFUL MICROORGANISM</li> <li>• HARMFUL MICROORGANISM</li> <li>• NITROGEN CYCLE</li> <li>• <b>Lab manual: 1)</b> To study the presence of microorganisms in moist oil.</li> <li>• <b>2)</b> To study the characteristics of various microorganisms using permanent slides.</li> </ul>
MAY	CH-3 SYNTHETIC FIBRES AND PLASTICS  CH-4 MATERIALS: METALS AND NON-METALS	<ul style="list-style-type: none"> <li>• <b>SYNTHETIC FIBRE AND PLASTICS</b></li> <li>• TYPES OF FIBRES</li> <li>• POLIMERS</li> <li>• TYPES OF SYNTHETIC FIBRES</li> <li>• ADVANTAGES AND DISADVANTAGES OF FIBRE</li> <li>• PLASTICS AND ENVIRONMENT</li> <li>• <b>MATERIALS: METALS AND NON-METALS</b></li> <li>• OCCURRENCE OF METALS AND NON-METALS</li> <li>• PHYSICAL AND CHEMICALS PROPERTIES OF METAL AND NON-METAL</li> <li>• USES OF METAL AND NON-METALS</li> <li>• CORROSION OF METALS</li> <li>• ALLOYS</li> <li>• <b>Lab activity: 1)</b> To study the reaction of metals with a base.</li> <li>• <b>2)</b> To compare the water absorbing and drying capacity of natural and synthetic fibres.</li> <li>• <b>3)</b> To study the reaction of metals with a base.</li> <li>• <b>4)</b> To study the reaction of metals with oxygen.</li> </ul>
JULY	CH-5 COAL AND PETROLEUM	<ul style="list-style-type: none"> <li>• <b>COAL AND PETROLEUM</b></li> <li>• COAL</li> <li>• PETROLEUM</li> <li>• LIMITATIONS OF FOSSIL FUELS</li> <li>• DISTRUCTIVE DISTILLATION OF COAL</li> </ul>

	CH-6 COMBUSTION AND FLAME	<ul style="list-style-type: none"> <li>NATURAL GAS</li> <li>CONSERVATION OF FOSSIL FUEL</li> <li><b>COMBUSTION AND FLAME</b></li> <li>BURNING AND COMBUSTION</li> <li>COMBUSTIBLE AND NON-COMBUSTIBLE SUBSTANCES</li> <li>TYPES OF COMBUSTION</li> <li>CONDITION NECESSARY FOR COMBUSTION</li> <li>FIRE FIGHTING</li> <li>FLAME</li> <li>FUELS</li> <li><b>Lab activity: 1)</b> To carry out destructive distillation of coal.</li> <li><b>2)</b> To show that combustion does not takes place below the ignition temperature of a substance.</li> </ul>
<b>AUGUST</b>	CH-7 CONSERVATION OF PLANTS AND ANIMALS  CH-8CELL-STRUCTURES AND FUCTIONS	<ul style="list-style-type: none"> <li><b>CONSERVATION OF PLANTS AND ANIMALS</b></li> <li>IMPORTANCE OF BIODIVERSITY</li> <li>FLORA AND FAUNA</li> <li>ENDEMIC SPECIES</li> <li>PROTECTED AREAS</li> <li>MIGRATION</li> <li><b>CELL STRUCTURE AND ITS FUNCTION</b></li> <li>DISCOVERY AND HISTORY OF CELL</li> <li>STAINING</li> <li>UNICELLULAR AND MULTICELLULAR ORGANISMS</li> <li>CELL SHAPE SIZE AND ITS ORGANELLES</li> <li>PLANT AND ANIMAL CELL AND ITS COMPARISION</li> <li>PROKARYOTIC AND EUKARYOTIC ORGANISMS</li> <li>CELL DIVISION AND ITS GROWTH</li> <li><b>Lab activity: 1)</b> To study the cells of various shapes from permanent slides.</li> <li><b>2)</b> To study the difference between a plant cell and an animal cell.</li> </ul>
<b>SEPTEMBER</b>	CH-9 REPRODUCTION IN ANIMALS	<ul style="list-style-type: none"> <li><b>REPRODUCTION IN ANIMALS</b></li> <li>MODES OF REPRODUCTION</li> <li>SEXUAL REPRODUCTION IN ANIMALS</li> <li>FERTILISATION</li> <li>VIVIPAROUS AND OVIPAROUS ANIMALS</li> <li>REPRODUCTION IN HUMAN BEINGS</li> <li>FERTILISATION IN HUMAN BEINGS</li> <li>TEST-TUBE BABIES</li> <li>DEVELOPMENT OF EMBRYO IN HEN</li> <li>YOUNG ONES TO ADULTS / ASEXUAL REPRODUCTION</li> </ul>

SCIENCE TERM #2

MONTH	TOPIC	CONTENT
OCTOBER	<p>CH-10 REACHING THE AGE OF ADOLESCENCE</p> <p>CH-11 FORCE AND PRESSURE</p>	<ul style="list-style-type: none"> <li>• <b>REACHING THE AGE OF ADOLESCENCE</b></li> <li>• ADOLESCENCE</li> <li>• PUBERTY</li> <li>• CHANGES AT PUBERTY AND ADOLESCENCE</li> <li>• SECONDARY SEXUAL CHARACTERS</li> <li>• HORMONES</li> <li>• REPRODUCTIVE PHASE OF LIFE IN HUMANS</li> <li>• DETERMINATION OF SEX OF A BABY</li> <li>• HORMONES OTHER THAN SEX HORMONES</li> <li>• ROLE OF HORMONES IN COMPLETING THE LIFE CYCLE OF INSECTS AND FROGS</li> <li>• REPRODUCTIVE HEALTH</li> <li>• AIDS</li> <li>• <b>FORCE AND PRESSURE</b></li> <li>• CONCEPT OF FORCE</li> <li>• EFFECTS OF FORCE</li> <li>• UNIT OF FORCE</li> <li>• RESULTANT FORCE</li> <li>• CLASSIFICATION OF FORCE</li> <li>• PRESSURE</li> <li>• ATMOSPHERIC PRESSURE</li> <li>• <b>Lab activity: 1)</b> To measure the weight of an object using a spring balance.</li> <li>• <b>2)</b> To show the liquid exert equal pressure at the same depth.</li> </ul>
NOVEMBER	<p>CH-12 FRICTION</p> <p>CH-13 SOUND</p>	<ul style="list-style-type: none"> <li>• <b>FRICTION</b></li> <li>• CAUSES OF FRICTION</li> <li>• TYPES OF FRICTION</li> <li>• FACTORS AFFECTING FRICTION</li> <li>• FLUID FRICTION</li> <li>• FRICTION IS A NECESSARY EVIL</li> <li>• <b>SOUND</b></li> <li>• VIBRATION</li> <li>• SOUND NEEDS A MEDIUM TO TRAVEL</li> <li>• CHARACTERISTICS OF SOUND</li> <li>• STRUCTURE AND WORKING OF HUMAN EAR</li> <li>• GOOD AND BAD REFLECTORS</li> </ul>

	CH-14 CHEMICAL EFFECTS OF ELECTRIC CURRENT	<ul style="list-style-type: none"> <li>• MUSICAL INSTRUMENTS</li> <li>• TERMS RELATED TO SOUND WAVES</li> <li>• SOUND PRODUCED BY HUMANS</li> <li>• REFLECTION OF SOUND</li> <li>• NOISE AND MUSIC</li> <li>• NOISE POLLUTION</li> <li>• <b>CHEMICAL EFFECTS OF ELECTRIC CURRENT</b></li> <li>• CONDUCTORS AND INSULATORS</li> <li>• ELECTRIC CONDUCTIVITY</li> <li>• EFFECTS OF ELECTRIC CURRENT</li> <li>• CHECKING AN ELECTRIC TESTER</li> <li>• USES OF ELECTROLYSIS</li> <li>• Lab activity: 1) To verify that friction depends upon the nature of surfaces in contact.</li> <li>• <b>2)</b> To study the relationship between the length of the vibrating air column and the pitch of the sound produced.</li> </ul>
<b>DECEMBER</b>	CH-15 SOME NATURAL PHENOMENA  CH-16 LIGHT	<ul style="list-style-type: none"> <li>• <b>SOME NATURAL PHENOMENA</b></li> <li>• CHARGING BY RUBBING</li> <li>• METHODS OF CHARGING</li> <li>• FLOW OF CHARGE</li> <li>• LIGHTNING AND THUNDER</li> <li>• ELECTRIC CHARGES IN ATOMS</li> <li>• TRANSFER OF CHARGE</li> <li>• EARTHQUAKE</li> <li>• <b>LIGHT</b></li> <li>• LAWS OF REFLECTIONS</li> <li>• DISPERSION OF LIGHT</li> <li>• PERSISTENCE OF VISION</li> <li>• VISUALLY CHALLENGED PEOPLE</li> <li>• THE HUMAN EYE</li> <li>• CARE OF EYES</li> <li>• Lab activity: 1) To make a model of kaleidoscope.</li> </ul>
<b>JANUARY</b>	CH-17 STARS AND THE SOLAR SYSTEM	<ul style="list-style-type: none"> <li>• <b>STARS AND THE SOLAR SYSTEM</b></li> <li>• THE MOON</li> <li>• THE STARS</li> <li>• THE SUN</li> <li>• THE SOLAR SYSTEM</li> <li>• THE PLANETS</li> <li>• GALAXIES</li> </ul>



	CH-18 POLLUTION OF AIR AND WATER	<ul style="list-style-type: none"> <li>• ARTIFICIAL SATELLITES</li> <li>• CONSTIELLATIONS</li> <li>• OUR UNIVERSE IS EXPANDING</li> <li>• <b>POLLUTION OF AIR AND WATER</b></li> <li>• POLLUTION</li> <li>• WATER POLLUTION</li> <li>• AIR POLLUTION</li> <li>• POTABLE WATER</li> </ul>
<b>FEBRUARY</b>		REVISION
<b>MARCH</b>		FINAL EXAMINATION

### SOCIAL STUDIES #1 (Books Name:-MY WONDERFUL BOOK OF SOCIAL SCIENCE)

MONTH	TOPIC	CONTENT
<b>APRIL</b>	<b>Hist. Ch-1</b> Understanding Modern History Ch-2 Colonisation of India  <b>Geo. Ch-1</b> An introduction to resources	Periodisation of Indian History, Meaning of colonial, Administrative records, Monuments and Towns, Advent of European companies, English east India company, Rivalry in Trade, conflict between the company and the Nawabs of Bengal, Growth of British Influence, Rapid British Expansion Types of resources, natural resources, classification based on origin, Human-made resources, human resources, conserving resources, sustainable development of resource.
<b>MAY</b>	<b>Hist. Ch-3</b> Ruling the Rural Area  <b>Geo. Ch-2</b> Natural resources Land, soil, and Water  <b>Civ. Ch-1</b> The constitution of India	Land revenue policy, Advantages for the company, Effects on the peasants and zamindars, cultivation of crops, System of Indigo Production, Indigo Rebellion  Land- Use, Landslides, conservation, Soil- Factors of Soil Formation, Layers, Types, Water- Distribution, Problems, conservation  The Indian Constitution, Challenges faced by the farmers, Features of the Indian constitution, Parliamentary form of Government
<b>JULY</b>	<b>Hist. Ch-4</b> Tribal communities and Colonialism  <b>Ch-5</b> The uprising of 1857 <b>Geo. Ch-3</b> Natural vegetation and wildlife Resources	The Tribal People, Colonialism and the Tribes, The Santhal Rebrllion, Birsa Munda Revolt, Tribal Revolts in North East  The Uprising of 1857 Rebellion- Causes, Spread , Suppression, Reasons for Failure, Effects, and Nature Natural Vegetation- Distribution, Types of Forests and importance, Forest Fires –Caues,



	<b>Civ. Ch-2</b> Secularism in India	effects and prevention, Wildlife- Distribution and importance
<b>AUGUST</b>	<b>His. Ch-6</b> Colonialism and the Urbanisation <b>His. Ch-7</b> Craft and Industries <b>Geo. Ch-4</b> Mineral and Power Resources <b>Civ. Ch-3</b> Need of Parliament	Cities under Colonial Rule, Development-Port cities, Railways,, Hill stations, New Delhi- Case study The Textile Industry, Calico Act-1720, Industry- Decline, Smelting, The Great wars and their impact Minerals- Types, Extraction, Distribution, Uses, conservation, Power Resources- Uses , Classification of Power Resources Parliament, Rajya Sabha, Lok Sabha, Functions of Government, People in Parliament
<b>SEPTEMBER</b>	<b>His. Ch-8</b> Education and British rule <b>His. Ch-9</b> Women, caste and reform <b>Geo. Ch-5</b> Agriculture and farming <b>Revision for Half-yearly</b>	Education system in Pre-British India, Education under the British, Role of Christian Missionaries, Wood's Despatch, Effects of Western Education, National Education Upliftment of the status of women, social Reformers-Raja ram mohan roy, ishwarchand vidyasgar, The women who championed the cause Agriculture as a primary activity, types of Farming, Major Crops- food, fibre, beverage

## SOCIAL STUDIES # 2

<b>MONTH</b>	<b>TOPIC</b>	<b>CONTENT</b>
<b>OCTOBER</b>	<b>His Ch-10</b> Changes in Literature and Art <b>His. Ch-11</b> Rise of Indian Nationalism <b>Geo. Ch- 6</b> Major crops and agricultural Development <b>Civ. Ch-4</b> Understanding laws <b>Civ. Ch-5</b> The Indian Judiciary	The two schools of thought – orientalist, Anglicists, Wood's dipactch – Recommendation and impact Upliftment of the status of women, social Reformers-Raja ram mohan roy, ishwarchand vidyasgar, The women who championed the cause Rice, Wheat, Millets, Maize, Sugarcane, Cotton, jute, Agricultural development, Agricultural farm in India, Agricultural farm in U.S.A. Role of the police, Rights of the arrested person, role of the public procecutor, defence council, judge, fair trail, conclusion Laws – Need, Rule, Evolution, Making, Unpopular and controversial laws, Conclution
<b>NOVEMBER</b>	<b>His. Ch-12</b> The March to Freedom (1919-1947)	Emergence of Gandhi, The Satyagraha, The Rowlatt Act- First all Indian Satyagraha, The Jallianwala Bagh Massacre, Anti-British Movement, Khilafat Movement, Non-cooperation Movement, Events

	<p><b>Ch-13</b> India after Independence</p> <p><b>Geo. Ch-7</b> Manufacturing Industries</p> <p><b>Civ. Ch-6</b> The Indian Criminal Justice system</p>	<p>after the Non-cooperation Movement, The Simon commission, The Quit India movement Transfer of power, Birth of New nation.</p> <p>Problems after Independence, The making of the Indian constitution, planned development, India's foreign policy, The Non-aligned movement</p> <p>Classification of Industries, Small and large scale industries, Classification based on ownership, joint sector industries, Factors affecting the location of Industries, Distribution of major industries, Worst industrial disaster</p> <p>The police, FIR, The Public Prosecutor, The Defence Lawyer, The Judge, A fair trial, Essential of a fair trial</p>
<b>DECEMBER</b>	<p><b>Geo. Ch-8</b> Industries- Comparative Studies</p> <p><b>Geo. Ch-9</b> Human Resources</p> <p><b>Civ. Ch-7</b> Understanding and Tackling Marginalisation</p>	<p>Iron and Steel Industries, Iron and steel Industry in Detroit (USA), The cotton Textile Industry, Information Technology Industry</p> <p>Population Distribution, Physical factors, Non-physical factors, Density of population, Different patterns of population change, population composition</p> <p>Adivasis, Other marginalised group, Provision in the constitution, Manual Scavenging</p>
<b>JANUARY</b>	<p><b>Geo. Ch-10</b> Disaster Management</p> <p><b>Civ. Ch-8</b> Public Facilities</p> <p><b>Civ. Ch-9</b> Law and Social Justice</p>	<p>Earthquakes, cyclones, floods, Droughts, tsunami. Human-made disaster, Precautions to be taken</p> <p>The Role of Government, Water-A fundamental Right, In search of Alternatives,</p> <p>Laws of workers, Laws of children, Laws of consumers, Enforcement of safety laws, Laws to protect the environment</p>
<b>FEBRUARY</b>		<b>Revision for Final Exams</b>
<b>MARCH</b>		<b>Final Exams</b>

**ICT TERM #1 (Book1 Name- Widget)**

<b>MONTH</b>	<b>SKILL/CONCEPT</b>	<b>CONTENT</b>
<b>APRIL</b>	Chapter-1: Introduction to Networking	<ul style="list-style-type: none"><li>• What is a networking</li><li>• Features of a network</li><li>• Types of computer networks</li><li>• Network devices</li><li>• Network security</li></ul>
<b>MAY</b>	Chapter-2: Virus Alert!	<ul style="list-style-type: none"><li>• Types of viruses</li><li>• Other malicious programs</li><li>• Different antivirus software</li><li>• Using an antivirus software</li></ul>
<b>JULY</b>	Chapter-3: Introduction to HTML	<ul style="list-style-type: none"><li>• What is HTML?</li><li>• Basic HTML structure</li><li>• Creating a Basic webpage</li><li>• Inserting Hyperlinks</li><li>• Saving and viewing a Webpage</li></ul>
<b>AUGUST</b>	Chapter-4: More on HTML	<ul style="list-style-type: none"><li>• Heading Tag</li><li>• Paragraph Tag</li><li>• Font Tag</li><li>• Adding a List</li><li>• Working with images</li><li>• Adding a numbered list</li></ul>
<b>SEPTEMBER</b>	Chapter-5: Working with Queries	<ul style="list-style-type: none"><li>• Managing Records</li><li>• Creating Queries using a Wizard</li><li>• Creating Queries using Query Design</li></ul>



**ICT TERM #2**

<b>MONTH</b>	<b>SKILL/CONCEPT</b>	<b>CONTENT</b>
<b>OCTOBER</b>	Chapter-6: Working with Forms and Reports	<ul style="list-style-type: none"> <li>• Creating a form using Form Wizard</li> <li>• Using a form using Design View</li> <li>• Creating Reports using Report Wizard</li> <li>• Formatting Reports</li> </ul>
<b>NOVEMBER</b>	Chapter-7: More on Pivot Animator	<ul style="list-style-type: none"> <li>• Creating figure types</li> <li>• Adding Backgrounds</li> <li>• Using the Edit mode</li> <li>• Using colour reduction</li> <li>• Using the Dither Mode</li> <li>• Applying Optimisation Feature</li> </ul>
<b>DECEMBER</b>	Chapter-7: More on Pivot Animator	<ul style="list-style-type: none"> <li>• STK files</li> <li>• Using onion skins</li> <li>• Performing Multi-Figure Selection</li> <li>• Joining Figures</li> <li>• Adding Sprites</li> </ul>
<b>JANUARY</b>	Chapter-8: More on Internet	<ul style="list-style-type: none"> <li>• Chatting</li> <li>• Blogging</li> <li>• Social Media Networking</li> <li>• Storing Data Over the Cloud</li> </ul>
<b>FEBRUARY</b>	Revision	
<b>MARCH</b>	Exam	

<b>MONTH</b>	<b>TOPIC</b>	<b>CONTENT</b>
<b>APRIL</b>	CH-1: Excite	<ul style="list-style-type: none"> <li>• Difference between Artificial and Human Intelligence</li> <li>• Artificial Intelligence</li> <li>• History of Artificial Intelligence</li> <li>• Need of Artificial Intelligence</li> <li>• Aims of Artificial Intelligence</li> </ul>
<b>MAY</b>	CH-1: Excite	<ul style="list-style-type: none"> <li>• Disciplines Involved in Artificial Intelligence</li> <li>• Major Types of Artificial Intelligence</li> <li>• Advantages of Artificial Intelligence</li> <li>• Disadvantages of Artificial Intelligence</li> <li>• Artificial Intelligence Terminologies</li> <li>• Domains of Artificial Intelligence</li> </ul>
<b>JULY</b>	CH-2: AI in Everyday Life and Smart Living	<ul style="list-style-type: none"> <li>• Major Application Areas of Artificial Intelligence</li> <li>• Artificial Intelligence in Everyday Life</li> <li>• Significance and Impact of Artificial Intelligence in Real Life</li> <li>• The Concept of Smart Living</li> <li>• The Concept of Smart Homes</li> <li>• Benefits of Having Smart Homes</li> <li>• Implementation/Working of a Smart Home</li> </ul>
<b>AUGUST</b>	CH-2: AI in Everyday Life and Smart Living	<ul style="list-style-type: none"> <li>• Major Devices Used in Smart Homes</li> <li>• A Few Latest and Popular Home Automation Devices</li> <li>• Challenges of Smart Homes</li> <li>• Smart Cities- Smart Homes to Smart Buildings to Smart Cities</li> <li>• Benefits of a Smart City</li> <li>• Challenges Faced While Establishing Smart Cities</li> <li>• Artificial Intelligence Terminologies</li> </ul>
<b>SEPTEMBER</b>	CH-3: Sustainable Development Goals	<ul style="list-style-type: none"> <li>• Sustainable Development Goals</li> <li>• Role of Artificial Intelligence in Sustainable Development</li> <li>• 4Ws Problem Canvas Framework</li> <li>• Artificial Intelligence Terminologies</li> </ul>

**ICT TERM #2**

<b>MONTH</b>	<b>TOPIC</b>	<b>CONTENT</b>
<b>OCTOBER</b>	CH-4: Scope of Artificial Intelligence	<ul style="list-style-type: none"> <li>• Real-life Applications of Artificial Intelligence</li> <li>• Scope of Artificial Intelligence</li> <li>• Careers in the Field of Artificial Intelligence</li> <li>• Skills Required for Artificial Intelligence Jobs</li> <li>• Eminent Artificial Intelligence Companies</li> <li>• Artificial Intelligence Start-ups</li> <li>• Future Prospects of Artificial Intelligence</li> <li>• Artificial Intelligence Terminologies</li> </ul>
<b>NOVEMBER</b>	CH-5: Ethics in Artificial Intelligence	<ul style="list-style-type: none"> <li>• Artificial Intelligence Ethics</li> <li>• Artificial Intelligence Bias or Machine- Learning Bias</li> <li>• Artificial Intelligence: Boon or Bane?</li> </ul>
<b>DECEMBER</b>	CH-5: Ethics in Artificial Intelligence	<ul style="list-style-type: none"> <li>• Pros of Artificial Intelligence</li> <li>• Cons of Artificial Intelligence</li> <li>• Artificial Intelligence Terminologies</li> </ul>
<b>JANUARY</b>		Revision
<b>FEBRUARY</b>		Revision
<b>MARCH</b>		Exam

## FRENCH TERM #1

MONTH	TOPIC	CONTENT
APRIL	L- 1 connaissons la france. L-2 la rentree'	Les symbols, les monuments et les musee', les montages, les fleuves, les vins, les fromages, les villes et leurs spe'cialities. Les articles, les adjectifs, les adjectifs demonstratifs, les adjectifs interrogatifs, les adjectifs piossessifs, qui/que, les conjonctions.
MAY	L-3 ma mere' une superwoman	L'adjectif tout, les adverbs.
JULY	L-4 on fait une grasse matinee' L-5 qu'est ce que tu as fait le week-end?	Les expressions negatives. Le passe' compose avec avoir.
AUGUST	L-6 connaissons les francais celebres.	Les francais celebres.
SEPTEMBER	L-7 j'aime lire	Le passe' compose' avec<<etre>> Transitif/intransitive.

## FRENCH TERM #2

MONTH	TOPIC	CONTENT
OCTOBER	L-8 la soiree'd'adieu	Le courriel L'invitation Les verbes pronominaux au passe' compose'
NOVEMBER	L-9 projets de vacances	Le passe' recent Le future proche
DECEMBER	L-10 une journee' a' mon gout.	Le future simple
JANUARY	Revision	
FEBRUARY	revision	
MARCH		

## SANSKRIT TERM #1

पाठ्यपुस्तक -अतुला संस्कृतम्



माह	विषयवस्तु
अप्रैल	वन्दना , पाठ १ आदिकविः , पाठ २ आविष्काराः व्याकरण- वर्ण- परिचयः , संख्या
मई	पाठ ३ सत्यप्रियः, सन्धिः ,
जुलाई	पाठ ४ चाणक्यनीतिः , पाठ ५ भर्तृहरेः पधानि ,प्रत्ययाः
अगस्त	पाठ ६ गुरुभक्तः एकलव्यः , अव्ययपदानि , शब्दरूपाणि
सितम्बर	पाठ ७ सुवर्णकङ्कणम् धातुरूपाणि ,पत्र-लेखनम् ,

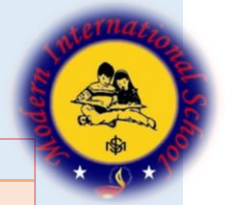
## SANSKRIT TERM #2

माह	विषयवस्तु
अक्टूम्बर	पाठ ९ कालिदासः ,पत्र-लेखनम् , अपठित-अवबोधनम्
सितम्बर	पाठ १० सर्वं हि प्राप्यते ज्ञानात् , संवाद-लेखनम् ,सर्जनम्
दिसम्बर	पाठ ११ प्रकृतेः सभा , कारकप्रयोगः , विरामचिह्नानि
जनवरी	रक्ष रक्ष पर्यावरणम् , व्यावहारिकः शब्दकोश
फरवरी	पुनरावृत्ति कार्य
मार्च	वार्षिक परीक्षा



**GENERAL KNOWLEDGE TERM #1****G.K.INFINITE**

<b>MONTH</b>	<b>TOPIC</b>	<b>CONTENT</b>
<b>APRIL</b>	CH -1 GEOGRAOHY- INDIA AND WORLD	SRINAGAR-CROWNING GLORY THE ANTARCTICA QUIZ DISRIBUTION OF MINERALS IN INDIA ANS WORLD
<b>MAY</b>	CH-2 SPACE AND SOLAR SYSTEM	THE SUN LETS EXPLORE SPACE VISUAL SOLAR SYSTEM THE SOLAR SYSTEM
<b>JULY</b>	CH-3 SPORTS TALK  CH-4 REASONING AND APPTITUDE	LAWNS TENNIS CHECKMATE BUSINESS IN SPORTS  ROMAN NUMERALS WORD CLASSIFICATION WORD ANALOGY TEST YOUR I.Q APPTITUDE TEST
<b>AUGUST</b>	CH-5 ENRICH WITH CIVICS	FUNDAMENTAL RIGHTS AND DUTIES INDIA AND ITS NEIGHBOURING COUNTRIES KNOW YOUR CURRENCY CURRENCIES AROUND THE WORLD KNOW ABOUT CIBIL SCORE
<b>SEPTEMBER</b>	CH-6 CULTURAL ARTS AND CRAFTS	MUSEUMS AND GALLERIES OF THE WORLD TRADITIONAL ART CRAFTS OF INDIA

**GENERAL KNOWLEDGE TERM #2**

<b>MONTH</b>	<b>TOPIC</b>	<b>CONTENT</b>
<b>OCTOBER</b>	CH-7 TAKE CARE OF ENVIRONMENT	ENVIRONMENT QUIZ GREEN ENERGY OUR ENVIRONMENT LETS BE ECO FRIENDLY
<b>NOVEMBER</b>	CH-8 MIXED BAG	THE MAGICAL WORLD OF HARRY POTTER DIVISIBILITY TEST WILDLIFE AROUND THE WORLD THE ELECTRICITY CROSSWORD DTH( DIRECT TO HOME) NETTIQUETS MIXED BAG THE GLOBALPOSITIONINGSYSTEM PRADHAN MANTRI JAN DHAN YOJANA
<b>DECEMBER</b>	CH-9 SOCIAL BHAUIOUR	MANAGE YOUR PEER GROUP LEARN TO HANDLE CPR LETS BE CAUTIONS PUBLIC SPEAKING
<b>JANUARY</b>	CH-10 PERSONALITY TALK FAMOUS	KIRAN MAZUMDAR SHAW SUNDAR PICHAJ
<b>FEBRUARY</b>		REVISION OF FINAL EXAMINATION

## MORAL VALUE TERM #1

### LIFE SKILL AND VALUE EDUCATION

<b>MONTH</b>	<b>TOPIC</b>	<b>CONTENT</b>
<b>APRIL</b>	CH -1 GRATITUDE	WE SHOULD ALWAYS BE GRATEFUL TO GOD
	CH -2 HEAR YOUR INNER VOICE	WE SHOULD ALWAYS TRY TO HEAR THE VOICE OF OUR CONSCIENCE WHICH WILL KEEP US AWAY FROM EVIL DEEDS
<b>MAY</b>	CH-3 BELIEVE IN ACTION	WE SHOULD ALWAYS MAINTAIN HIGH MORAL CHARACTER
<b>JULY</b>	CH 4 UTILISE ENERGY IN CONSTRUCTIVE WORK	WE SHOULD ALWAYS UTILISE OUR ENERGY IN A CONSTRUCTIVE WAY
<b>AUGUST</b>	CH -5 SELF HELP IS THE BEST HELP	TO UNDERSTAND THE VALUE OF SELF HELP
	CH -6 THE POWER OF INITIATIVE	DO SOMETHING GOOD FOR THE WELFARE OF OUR SOCIETY AND THE NATION
<b>SEPTEMBER</b>	CH -7 EDUCATION	VALUE OF EDUCATION

**MORAL VALUE TERM #2**

<b>MONTH</b>	<b>TOPIC</b>	<b>CONTENT</b>
<b>OCTOBER</b>	CH-8 SECRET OF SUCCESS CH-9 TAKE INSPIRATIONAL FROM OTHERS	NEVER GIVE UP ; NEVER , NEVER GIVE UP  APPRECIATE OTHERS AND TAKE INSPIRATION FROM OTHERS
<b>NOVEMBER</b>	CH-10 BE A TRUE FRIEND CH-11 CONSERVATION THROUGH INDIAN TRADITION	VALUE OF FRIENDSHIP  ANCIENT CULTURE OF INDIA AND ENVIRONMENT
<b>DECEMBER</b>	CH-12 THE VALUE OF TIME CH -13 YOGA- THE PATH OF SPRITIUALITY	VALUE OF TIME AND CARE OF TIME  MOST COMMON FORMS OF ASSANS
<b>JANUARY</b>	CH 14 CIVIC SENSE	RIGHTS AND DUTIES OF INDIAN CITIZENS
<b>FEBRUARY</b>		REVISION OF FINAL EXAMINATION