**Class –VIII Subject- English**

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| **Month** | **Literature Reader** | **My English Reader** | **English Practice Book** | **Writing Skills** | **Art/Sports Integrated Activities** |
| April and May | Ch. 1 Three QuestionsCh-2 Granny’s Tree climbing | Unit-1 Changing TimesRelated Topics | Unit-1 Tenses , Unit-2 Narration , Gap Filling, Editing,Rearrangement/sequ encing of sentences | Diary Entry, Message Writing | Role Play |
| July | Ch3 The Fun They HadCh. 4: Father’s Help | Unit-2 Compassionate SoulsUnit-3 Enterprise Related Topics | Unit-3 Modals,Unit-4 Subject- Verb Agreement | Notice Writing, Informal Letter | Listening Skills |
| August | Ch. 5 My MotherCh. 6 The Luncheon Ch-7 The Children’s Song | Unit-4 NatureRelated Topics | Unit-5 Clauses andComplex sentences, Unit-6 Linkers,Unit-7 Active and Passive, Note completion | DialogueCompletion, Formal Letter | Writing arecipe/ Preparing Menu card |
| September | Revision for Halfyearly Exams | Revision for Halfyearly Exams | Revision for Halfyearly Exams | Revision for Halfyearly Exams |  |
| October | Ch. 8The Case of Sharp-Eyed Jeweller Ch-9 CoupletsCh-10 The Undeserved Reward | Unit 5- Sports Related Topics | Unit-8 Non-Finites Unit-9 Punctuation, Omission, Integrated Grammar (Revision) | Sequencing of sentences, E-mail Writing | Speaking Activity (Interview) |
| November | Ch. 11- Bangle SellersCh-12 A Bad Dream | Unit-6 Tolerance Related Topics | Unit-10 Reading For UnderstandingUnit-11 Getting Ready For Class IX, Integrated Grammar (Revision) | Speech Writing | Jewellery Making |
| December | Revision | Revision | Revision | Revision |  |
| January | Revision | Revision | Revision | Revision |  |

SUBJECT – MATHS

CLASS - VIII

BOOK PRESCRIBED - SECONDARY MATHEMATICS

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| **Month** | **Chapter** | **Topic** | **S. No.** | **Activity** |
| **April** | CH-1 | Squares and Square Roots | 1 | Recreational Activity:To make a mathematical clock using the concept of square and square root/cube and cube root of a number. |
| CH-2 | Cubes and Cube Roots |
|  | CH-4 | Direct and Inverse Variation |
| **May** | CH-7 | Algebraic Identities | 2 | Mathematics Laboratory |
|  |  |  |  | Activities : |
|  |  |  |  | i)To verify the algebraic |
|  |  |  |  | identity (a+b)2 |
|  |  |
|  | CH-13 | Introduction to Graph | 3 | ii)To draw linear graph on |
|  |  |  |  | a co-ordinate plane |
| **July** | CH-5 | Profit loss and Discount | 4 | Art Integration Activities:1. To make a cylindrical pen stand and find its total surface area
2. Make a catchy advertisement/ pamphlet depicting the sale/purchase / discount etc.
 |
| CH-10 | Parallel Lines |
| **August** | CH-14 | Mensuration | 5 | Experiential Learning : (Architectual Skills)a) Nets of solids b)Construction of root mapsC) Verifying Euler’s formula for prisms and pyramids |

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| **September** | CH-3 | Exponents and Radicals | 67 | Mathematics Laboratory Activities :I)Learning of exponents by paper foldingii)Make cut outs of the following shapes and write down their order of rotation and angle of rotation a) Equilateral triangle b) Rectangle |
| CH-16 | Rotational Symmetry |
| **October** | CH-6 | Compound Interest | 8 | Dramatic SkillRole play on the topic Compound Interest / Word problems of Linear Equations)Project Work:Life history of any Indian Mathematician and his/her contribution in the field of Mathematics. |
|  | CH-8 | polynomials |  |
|  |  | 9 |
|  | CH-9 | linear equations in one variable |  |
| **November** | CH-11 | Understanding Quadrilaterals | 10 | Mathematics Laboratory Activities:1. To make and understand quadrilateral tree.
2. To verify the sum of interior angles of a quadrilateral is 360 degrees by paper cutting and pasting.
 |
| CH-12 | Construction of Quadrilaterals |
|  | CH-15 | Statistics |
| **December** |  | Revision |  |  |
| **January** |  | Revision |  |  |
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**SCIENCE**

**Book Prescribed:** The living world-8

**BIOLOGY**

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| **MONTH** | **TOPIC** | **SUB-TOPIC** | **ACTIVITIES/PROJECTS** |
| April-May | CH-1 The Cell- It’s structure and Function | Discovery of cell, Parts of Plants and animals and their functions, Level oforganisation | * Role play on different cell organelles
 |
| CH-2Microorganisms- Friends or Foes | Types of microbes, Role of microbes in our life as friends and foes, Food preservation, Vaccination andVaccines | * Spotting of different microorganisms- Amoeba, Spirogyra, Paramoecium, Yeast (Either slides/photographs)
 |
| July | CH 8-Conservation of Plants and animals(\*For Internal Assessment only) | Conservation of wild life, Consequences of deforestation, Biosphere Reserves, National Parks and Wild lifesanctuaries | * Role play to create awareness about “Importance of trees”
* To make a collage on different types of species of plants and animals.
* Brochure on National Park/Bio-diversity parks/Wild life Sanctuary
 |
| August | CH-9 Crop production and its management (\*For Internal Assessmentonly) | Agriculture and its practices, Storage of grains, green revolution and hybridizationtechnique | * Prepare different agricultural implements using clay/dough
	+ **Gardening Skills** will be developed in students
 |
| September | **REVISION FOR HALF YEARLY EXAM** |
| October | CH-14Reproduction in animals | Type of reproduction, Male and Female reproductive system of humans, types of fertilization and development,metamorphosis | * Creative foldable on life cycle of a Frog
 |
| November | CH-15 Reaching the Age of Adolescence | Puberty, Sexual development, Endocrine system, Sex determinationof child, | * Poster making on “say no to drugs”
* Short film/Skit/Street play/video on “Gender sensitization”
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|  |  | Reproductivehealth. |  |
| December-January | **REVISION FOR ANNUAL EXAM** |

**CHEMISTRY**

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| **MONTH** | **TOPIC** | **SUB-TOPIC** | **ACTIVITIES/PROJECTS** |
| April-May | CH-3 Metals and Non-metals | Classification of elements, Physical and Chemical properties of metalsand non-metals, alloys | * Laboratory demonstration by teacher on different physical and chemical properties of metals and non-metals
 |
| CH 6-Sources of Energy | Classification of Sources of energy, fossil fuels, coal, petroleum, Cleaner fuel | * On a map of India locate the coal mines and petroleum refineries.
* Find places in India where solar and wind energy in being put to use.
* Poster on use of cleaner fuel
 |
| July | CH-7Combustion | Fuels, types of fuels, combustion, types of combustion, Flame and its parts and characteristics of good fuel | * Activity showing different conditions required for combustion
* Activities showing presence of wax vapours in the innermost zone of candle flame and unburnt particles of carbon in the luminous zone of candle flame and to show that the non-

luminous is the hottest part of candle flame. |
| August | CH-13 Synthetic Fibres and Plastics | Types of fibres, their properties and uses, types of plastics, their properties, advantages and disadvantages of synthetic fibres and plastics | * Make a doll using waste plastic materials (bottle caps, straws, etc) and adorn it using different types of synthetic fibres/fabrics (click its photograph and paste it in the PORTFOLIO)
* Activity on thermoplastics and thermosetting plastics using paper quelling and straw.
 |
| September | **REVISION FOR HALF YEARLY EXAM** |
| October | CH-19 Pollution of Air(\*For InternalAssessment only) | Air pollution, pollutants, cause, harmful effects andprevention of air pollution, Green | * Collage on prevention of air pollution
* Poster on global warming and acid rain
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|  |  | house effect andglobal warming |  |
| November | CH-20 Pollution of water(\*For Internal Assessment only) | Pollutants of water, causes of water pollution, Potable water, Harmful effects of water pollution, methods to check waterpollution | * Role play/street play “Jal hi Jeevan Hai”.
* Poster making on conservation of water.
 |
| December -January | **REVISION FOR ANNUAL EXAM** |

**PHYSICS**

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| **MONTH** | **TOPIC** | **SUB-TOPIC** | **ACTIVITIES/PROJECTS** |
| April-May | CH-4 Force and Pressure | Force, Effects of Force, Balanced and Unbalanced force, Contact and non- contact forces.Pressure- Applications of concept of pressure in daily life, Liquid pressure, Variations in air pressure, Importance of atmospheric pressure, Difference betweentimes and pressure | * Use of pictures/Science toon to show different types of forces.
* Lab activities to show relation of (i)Force and Pressure (ii)Pressure and Area
* Demonstration showing properties of liquid pressure
* Activity-Tug of war to show balanced and unbalanced force.
 |
| CH-5 Friction | Concept of friction, Cause of friction, Factors affecting friction, Types of friction, usefulness of friction, Disadvantages of Friction, Increasing/ReducingFriction, Fluid Friction | * Activity demonstration to show that force of friction increases with increase in the weight of the body.
* Collect pictures of organisms showing how streamlined bodies of those organism help in reducing friction either in air or in water. Paste pictures in your notebook.
 |
| July | CH- 10Refraction and Dispersion of Light | Refraction, its cause, Refractive index, optical density, Rules for refraction, Refraction of light by a glass slab,Dispersion of white | * Lab demonstration on refraction of light through a glass slab, glass prism and spherical lenses.
* Lab demonstration on rules of refraction
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|  |  | light by a glass prism, Rainbow, Spherical lenses, Basic terms related to lenses, Image formation by convexand Concave lenses, Application of lenses |  |
| August | CH-11 Human Eye | Structure of Human eye, working of human eye, Defects of vision, visually challenged person,help to them through Braille system | * Role play on defects of vision
* Model to show Braille system made using Pulses
 |
| September | **REVISION FOR HALF YEARLY EXAM** |
| October | CH-12 Sound | Sound and vibrations, Sounds produced by humans, sound produced by animals, propagation of sound, Light propagates faster than sound, Hearing impairment, Amplitude, time periods, frequency, Noise and Music,Noise Pollution | * Poster on harmful effects of Noise Pollution.
 |
| November | CH-16 Electric Current and its Chemical effects | Conductors and insulators, liquids as conductor or insulators, electrolytes, Conversion of chemical energy into electrical energy, chemical effects of electric current and their applications, Faraday’s discovery, Electromagnetic Induction | * To prepare a continuity tester to check conduction through liquids
* Demonstration of electrolysis of water
* Puppet method to show electromagnetic induction and Faraday’s discovery
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| December | CH 17 Stars and Solar System (\*For Internal Assessment only) | Galaxy-Milky way galaxy, stars, constellation, the moon, Phases of moon, The Solar system, Planets, Terrestrial and Jovian Planets, Minor bodies in the solar system, Artificial satellite and their applications | * Hanging model of solar system
* Different constellation using toothpick and quelling sheet/stars shaped stickers
 |
| CH 18-Earthquake (\*For Internal Assessment only) | Earthquakes and their effects, causes of earthquake, predicting an earthquake, Measuring an earthquake, Protection against earthquakes, Safetyprecautions | * On the map of world mark/indicate the place where Tsunami has occurred or is most likely to occur (to be included in PORTFOLIO)
* Roleplay on “Do’s and Dont’s during an earthquake”.
 |
| December-January | **REVISION FOR ANNUAL EXAM** |

**SUBJECT- SOCIAL SCIENCE**

**Prescribed Book- We and Our World**

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| **MONTH** | **TOPIC** | **SUB- TOPIC** | **ACTIVITIES** |
| **APRIL- MAY** | **Chapter 1**- Resources Utilization and development | 1. Utilization of resources | NEP ActivityPrepare a study on the requirements forsetting up an industry in a particular region.Along with example. |
| 2. Classification of resources |
| 3. Sustainable development and conservation. |
| **Chapter 2**- Natural resources: Land, soil and water | 1. Land resources | Map workPoster making activity on the topic ”Conservation of soil or conservation of water” |
| 2. Soil resources |
| 3. Water resources |
| **Chapter 3**- Natural resources: Vegetation and wildlife. | 1. Classification of forest | Map WorkFlow Chart on the topic-Types Of Forests |
| 2. Wild life |
| **Chapter 8**- The modern period | Sources of information | Scrap book work- Through picture presentation highlight the difference between the different types of forests. |
| **Chapter 9**- Establishment of company rule in India \* | 1. Trading companies | Internal assessment using multiple tools(Story Telling) |
| 2. The East India company |
| 3. The Carnatic wars |
| 4. Battle of Plassey |
| 5. Battle of Buxar |
| 6. Anglo Mysore wars |
| 7. Anglo Maratha and Anglo Sikh wars |
| **JUNE-JULY** | **Chapter 4**- Mineral and energy resources (PPT on conventional and unconventional sources of energy) |  | Internal assesments using multiple strategies (Tool No. 2) |
| **Chapter 12**- Impact of British rule |  | Scrap book work- Presentation on socio- religion reformers given in the book along with the map work.To be done during summer vacation |
| **Chapter 16**- Our Constitution | 1. Rules and Laws | A class discussion on the basic features of India’s Constitution. |
| 2. The Constitution |
| 3. Basic features of our Constitution. |
| 4. Purpose and need of our Constitution. |
| **Chapter 17**- Fundamentals rights, fundamental duties and directive principles of state policy. | 1. Fundaments rights | Debate to be conducted on misuse of Fundamental rights. |
| 2. Restrictions on fundamental rights |

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|  |  | 3. Fundamental duties |  |
| 4. Directive principles of state policy |
| 5. Indian secularism |

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| **AUGUST** | **Chapter 10**- Colonialism: Rural and tribal societies. | 1. Colonial agrarian policy and its impact | 1. Quiz to be framed and conducted by students.
2. Map work
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| 2. Growth of commercial crops |
| 3. Colonialism and tribal societies |
| 4. Tribal Revolts |
| 5. Modern industries in India. |
| **Chapter 11**- The first war of Independence- 1857. | 1. Causes of the revolt | 1. Role play
2. Map work
 |
| 2. Course of the revolt |
| 3. Suppression of the revolt |
| 4. Causes of the failure of therevolt |
| 5. Results of the revolt |
| **Chapter 13**- Colonialism and urban changes (This chapter will be assessed only in periodic tests not to be evaluatedin the annual exam) \*\* | 1. Urbanization of Calcutta | Discussion on all related important topics |
| 2. Delhi |
| 3. Railways under British rule |
| 4. British impact on Indian painting, literature andarchitecture. |
| **Chapter 18**- The Union Government: The Legislature | 1. The Union Government | Creating a mock Parliament in the class (Lok Sabha and Rajya Sabha )(Passing of a bill through simple majority) |
| 2. Division of power |
| 3. The Union legislature |
| 4. Lok sabha and Rajya Sabha |
| 5. Powers and functions of Union Parliament |
| **SEPTEMBER** | **Chapter 19**- The Union Government: The Executive (Revision of half yearly exams) | 1. The President | Class presentation by the students on difference between the role of the Speaker of Lok Sabha on the speaker of Rajya Sabha |
| 2. Powers and functions of the President |
| 3. Vice president |
| 4. Union council of ministers |
| **OCTOBER** | **Chapter 5**- Agriculture \* | 1. Importance of agriculture | to be assessed in periodic test only and will not be evaluated in the annual examination |
| 2. Factors affecting agriculture |
| 3. Types of agriculture |

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|  |  | 4. Major crops |  |
| 5. Agricultural development |
| **Chapter 6**- Manufacturing industries to be done as project work only | 1. Importance of manufacturing industries | Discussion on importance of –1. Iron and steel industry
2. Cotton textile industry
3. Information Technology

Graphic presentation on factors influencing location of an industryUse of ‘Google earth’ |
| 2. Classification of industries |
| 3. Factors influencing location of an industry |
|  |  | 4. Some major industries of the world(Iron, cotton and IT) |  |
| **Chapter 14**- The Nationalist movement (1870-1947) | 1. Formation of indian national congress | 1. Create a PPT highlighting the various movements of that period.
2. Map Work
 |
| 2. Partition of Bengal |
| 3. Formation of Muslim league |
| 4. Jallianwala Bagh |
| 5. Non cooperation movement |
| 6. Civil Disobedience movement |
| 7. Revolutionary movement for India's independence |
| 8. Government of India Act, 1935 |
| **NOVEMBER** | **Chapter 15**- India marches ahead | 1. Indian Independence Act, 1947 | Prepare a report on the problems faced by newly independent India. |
| 2. Indian Constitution |
| 3. India- On the path of progress |
| 4. Indian democracy |
| 5. India's foreign relations |
| 6. Challenges to Indian democracy |
| **Chapter 22**- Safeguarding themarginalized (To be done as project work only) \*\* | 1. Constitutional provisions | Class discussion on various government policies for the upliftment of themarginalised ised. |
| 2. Protecting the rights of marginalised | Project work as mentioned in the marking scheme |
| 3. Peoples' aspirations and our national goals |  |
| **DECEMBER** | **Chapter 20**- The Union Government: The judiciary. | 1. Independence of judiciary and types of cases | One act play: Lok Adalat |
| 2. Single unified integrated judicial system |
| 3. Supreme court of India and its powers and functions |
| 4. High court and its powers and functions |

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|  |  | 5. Lok adalat and PIL |  |
| **Chapter 21**- Social Justice andmarginalized (To be assessed in periodic test only and will not be evaluated in theannual examination) |  | Preparing a PPT on Adivasi’s of Andaman and Nicobar Islands OR Bishnois of Rajasthan. |
| **Chapter 7**- Human resource. | 1. Distribution of population | Prepare pie chart analyzing the distribution of population in the seven continents. |
| 2. Factors affecting distribution of population |
| 3. Growth of population |
| 4. Composition of human resources |
| **JANUARY** | Revision for Annual Examination |



**Class-VIII**

**SUBJECT: GENERAL KNOWLEDGE**

**Book Prescribed- KID WIZ**

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| **Month** | **Unit** | **Topic** | **Page Number** |
| **April/May** | **Unit-1 Unit-2** | **Language and Literature Environment Around** | **Page( 1- 10) Page(21-35)** |
| **July** | **Unit-3 Unit-4** | **World Around****Art and Culture** | **Page (54-64)****Page(78-90)** |
| **August** | **Unit-5** | **Maths Magic** | **Page (104-120)** |
|  | **Unit-6** |  |  |
|  |  | **Sports and Games** | **Page (136-148)** |
| **September** |  | **Current Affairs** |  |
|  |  | **Term-1 Examination** |  |
| **October** | **Unit-1 Unit-2** | **Language and Literature****Environment Around** | **Page (11-20)****Page (36-53)** |
| **November** | **Unit-3 Unit-4** | **World Around****Art and Culture** | **Page (65-77)****Page (91-103)** |
| **December** | **Unit-5** | **Maths Magic** | **Page (121-135)** |
|  | **Unit-6** |  |  |
|  |  | **Sports and Games** | **Page (149-156)** |
|  |  | **Current Affairs** |  |
| **February** |  | **Term-2 Examination** |  |

**Computer Curriculum Class-VIII**

**Book Prescribed – Hands On**

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| **Month** | **Chapter** | **Activity** |
| **April** | **L - 1 Let Us Explore- Computer Network.** | **Activities given in the book** |
| **May** | **L-2 HTML-1** | **Activities given in the book****Create Web Pages with using Font tag, bold, Italic, Underline, color, size etc. using HTML** |
| **July** | **L - 3 Lists and Tables in HTML** | **Activities given in the book.****Creating Lists and Tables in our Web page using HTML** |
| **August** | **L – 4 HTML-III** | **Activities given in the book.****Design a websites for about famous art forms, dances and food of AP and UP** |
| **September** | **L - 5 Identifying Networked Resources and Computers** | **Activities given in the book, Demo on Computer Network** |
| **October** | **L – 6 Problem Solving****L-7 Programming with Qbasic** | **Activities given in the book****calculating sum of two numbers, area of circle, square and a rectangle.** |
| **November** | **L – 8 Looping in Qbasic and Project Handling** | **WAP to print series of numbers, finding sum of cubes of odd numbers between 1 and 10,** |
| **December** | **L – 9 The Cyber World, Cyber****Crime and the Law** | **Activities given in the book.****A presentation about Cyber Crime and Law** |
| **January** | **Revision** | **Project Work** |
| **February** | **Annual Exams** |  |

Music syllabus

class 8-CLASS

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| **Month** | **Topic** | **Activities** |
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| **April-May** | राग अल्हैया बिलावल मध्य लए छोटा ख्याल | **बंदिश****( मोरी अरज सुनो गिरधारी आज तुम)** |
| **July** | **Few Taans of raag Alhiya Bilawal** | **1.**सारे गा रे गा पा धा नि सा नि धा पा मा गा रे सा2**.**गा रे गा पा मा गा धा नि सा नि धा पा मा गा रे सा |
| **August** | **Patriotic song** | 1. अपिी धरती अपिा अंिर... |
| **September** | **Congo** | **Keherwa Tal on Congo** |

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|  |  | धा ग िा ती **/** िा क धी िा |
| **October** | **Theory** |  | **Definition of Saptak and Swar** |
|  |
| **November** | **Bhajan sio** | हे िाथ अि तो ऐसी कृ पा दो,... |
| **December** | **Prayer song** | इतिी शक्तत हमे देिा दाता... |
| **January** | **Nation Song** | वंदे मातरम सुजलाम सुफलाम मलयज शीतलाम ... |
| **February** | **Rajasthani Folk song** | माता थारो रूप री महाि लागोरी.**..** |

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