

**Shreejee International School**  
**Syllabus (2016-2017)**  
**Grade-IX**

**English**

| MONTH     | LITERATURE READER  | MAIN COURSE BOOK                                       | WORKBOOK              | LONG READING TEXT-NOVEL                           | WRITING SECTION      |
|-----------|--|--|-----------------------|---|----------------------|
| APRIL     | <b>Prose</b> - How I Taught My Grandmother to Read<br><b>Poetry</b> - The Brook<br><b>Prose</b> - A Dog Named Duke | Unit 1 - People  | Verb Form             | Gulliver's by Jonathan Swift - Part1              | Diary Entry          |
| MAY       | <b>Poetry</b> - The Road Not Taken   | Unit 2 - Adventure                                     | Determiners           | Gulliver's by Jonathan Swift - Part1 (Continued)  |                      |
| JULY      | <b>Poetry</b> - The Solitary Reaper  | Unit 2 – Adventure (Continued)<br>Unit 3 - Environment | Future Time Reference | Gulliver's by Jonathan Swift - Part2              | Story Writing        |
| AUGUST    | <b>Drama</b> – Villa for Sale<br><b>Poetry</b> - Lord Ullin's Daughter   | Unit 3 – Environment (Continued)                       | Modals                | Gulliver's by Jonathan Swift - Part 2 (Continued) |                      |
| SEPTEMBER |  | Unit 4 - The Class IX Radio and Video Show             |                       |   |                      |
| OCTOBER   | <b>Prose</b> – The Man Who Knew too Much<br><b>Poetry</b> - The Seven Ages   | Unit 5 - Mystery                                       | Connectors            | Gulliver's by Jonathan Swift - Part3              | Letter to the Editor |
| NOVEMBER  | <b>Prose</b> –Keeping it from Harold   | Unit 6 - Children                                      | The Passive           | Gulliver's by Jonathan Swift - Part3 (Continued)  |                      |
| DECEMBER  | <b>Prose</b> –Best Seller<br><b>Poetry</b> -Oh, I Wish I'd Looked After My Teeth                                   | Unit 6 – Children (Continued)                          | Reported Speech       | Gulliver's by Jonathan Swift – Part 4             |                      |
| JANUARY   | <b>Poetry</b> -Song of the Rain<br><b>Drama</b> - The Bishop's Candlesticks  | Unit 7 – Sports and Games                              | Prepositions          | Gulliver's by Jonathan Swift - Part4 (Continued)  | Article Writing      |
| FEBRUARY  | -  | -  | -                     | -   |                      |

\*Note on Workbook: The suggested split up of the units of the Workbook reflects a distribution for the purpose of classroom teaching only. Since grammar and usage is not to be tested directly, but in an integrated manner, the split up as shown above will not restrict questions in the grammar section of FA and SA question papers to the specific units shown in the split up of Workbook units. Grammar will be tested by recycling grammar items learnt over a period of time in a comprehensive manner.

Hindi

| Month   | Main Course Book  | Grammar Book                        |
|---------|---|-------------------------------------|
| अप्रैल  | पाठ-दो बैलो की कथा, साखिया एवम सबद,   | उपसर्ग,प्रत्यय,समास                 |
| मई      | पाठ-ल्हासा की ओर, वाख,इस जल प्रलय में   | अर्थ की द्रष्टि से वाक्य के भेद     |
| जुलाई   | पाठ-उपभोक्तावाद की संस्कृति,सवैये,  | अलंकार,अपठित गद्यांश,अपठित काव्यांश |
| अगस्त   | पाठ-सावले सपनो की याद,कैदी और कोकिला, मेरे संग की औरते                            | पत्र लेखन                           |
| सितंबर  | पाठ-ग्राम श्री,   | निबंध लेखन, प्रतिवेदन               |
| अक्तूबर | पाठ-नाना साहब की पुत्री देवी मैना को भस्म कर दिया गया,चंद्र गहना से लौटती बेर,    | पुनरावलोकन                          |
| नवंबर   | पाठ-प्रेमचंद के फटे जूते, मेघ आये, रीढ की हड्डी,                                  | पुनरावलोकन                          |
| दिसंबर  | पाठ-मेरे बचपन के दिन,यमराज की दिशा, विद्यासागर नौटियाल                            | पुनरावलोकन                          |
| जनवरी   | पाठ-एक कुत्ता और एक मैना,बच्चे काम पर जा रहे हैं, किस तरह आखिरकार मै हिंदी मे आया | पुनरावलोकन                          |

## Mathematics

| Months        | Chapter                                    | Topics to be covered  |  |
|---------------|--|---|--|
| April-<br>May | <b>1.Number Systems</b>                    | <ul style="list-style-type: none"> <li>• Rational Numbers</li> <li>• Irrational Numbers</li> <li>• Real Numbers and their decimal expansions</li> <li>• Representing Real Numbers on the Number line</li> <li>• Operations on real numbers</li> </ul>     | Maths Lab<br>Activity(Number system)   |
|               | <b>2.Polynomials</b>                       | <ul style="list-style-type: none"> <li>• Polynomials in One Variable</li> <li>• Zeroes of a polynomial</li> <li>• Remainder Theorem</li> <li>• Factorisation of Polynomials</li> <li>• Algebraic Identities</li> </ul>                                    |  |
| July          | <b>3.Coordinate Geometry</b>               | <ul style="list-style-type: none"> <li>• Cartesian System</li> <li>• Plotting a point in the plane if its coordinates are given</li> </ul>  | Maths Lab<br>Activity(Coordinate geometry)<br><br>Maths Lab Activity(lines and angles) |
|               | <b>5.Introduction to euclid`s Geometry</b> | <ul style="list-style-type: none"> <li>• Euclid`s Definitions,Axioms and postulates</li> <li>• Equivalent versions of Euclid`s fifth postulates</li> </ul>  |  |
|               | <b>6.lines and angles</b>                  | <ul style="list-style-type: none"> <li>• Basic terms and definitions</li> <li>• Intersecting lines and non-intersecting lines</li> <li>• Pairs of angles</li> <li>• Parallel lines and a transversal</li> <li>• Angle sum property of triangle</li> </ul> |  |
| August        | <b>7.Triangles</b>                         | <ul style="list-style-type: none"> <li>• Congruence of triangles</li> <li>• Criteria for congruence of triangles</li> <li>• Some properties of a triangle</li> <li>• Some more criteria for congruence of triangle</li> </ul>                             | Maths Lab<br>Activity(Triangles)   |
|               | <b>12. Heron`s formula</b>                 | <ul style="list-style-type: none"> <li>• Inequalities in a triangle</li> <li>• Area of triangle</li> <li>• Application of Heron`s formula in finding areas of quadrilaterals</li> </ul>   |  |

|                                     |  |  |  |
|-------------------------------------|--|--|--|
| <p><b>October-<br/>November</b></p> | <p><b>4. Linear equations in two variables.</b></p> <p><b>8. Quadrilaterals</b></p> <p><b>9.Areas of parallelograms and Triangles</b></p> <p><b>10.circles</b></p> | <ul style="list-style-type: none"> <li>• Linear equations</li> <li>• Solution of a linear equation</li> <li>• Graph of a linear equation</li> <br/> <li>• Angle sum property of quadrilateral</li> <li>• Types of quadrilaterals</li> <li>• Properties of a parallelogram</li> <br/> <li>• Parallelograms on the same base and between the same parallels</li> <li>• Triangles on the same base and between the same parallels.</li> <br/> <li>• Angle subtended by a chord at a point</li> <li>• Perpendicular from the center to the chord</li> <li>• Circle through three points</li> <li>• Equal chords and their distances from the centre</li> </ul> | <p>Maths Lab Activity(linear equation)</p><br><p>Maths Lab Activity(quadrilateral)</p> |
| <p><b>December</b></p>              | <p><b>11.Constructions</b></p> <p><b>13.Surface areas and volumes</b></p>  | <ul style="list-style-type: none"> <li>• Basic Constructions</li> <li>• Constructions of triangles</li> <br/> <li>• Surface area of a cuboid and a cube</li> <li>• Surface area of a right circular cylinder</li> <li>• Surface area of a right circular cone</li> <li>• Surface area of a sphere</li> <li>• Volume of cuboid</li> <li>• Volume of a cylinder</li> <li>• Volume of sphere</li> <li>• Area of a quadrilateral</li> <li>• Area of a polygon</li> <li>• Solid shapes</li> <li>• Surface area: cuboid, cube, cylinder</li> <li>• Volume: cuboids, cube, cylinder</li> </ul>  | <p>Maths Lab Activity(surface area and volumes)</p>                                    |
| <p><b>January</b></p>               | <p><b>14.Statistics</b></p> <p><b>15.Probability</b></p>   | <ul style="list-style-type: none"> <li>• Presentation of data</li> <li>• Graphical representation of data</li> <li>• Measures of central tendency</li> <br/> <li>• Probability-an experimental Approach</li> </ul>   | <p>Maths Lab Activity(Statistics)</p>  |

## Computer

| Month            | Theme  | Chapters                                   | Topics  |  |
|------------------|--|--|---|--|
| April            | Basic concepts of Computer   | Ch-1<br>Convergence & Computing Technology | Convergence of technologies, History of convergence, Reasons of convergence, The 3Cs of technological convergence, types of convergence |  |
|                  |  |  |   |  |
| May              |  | Ch-2 Computer System                       | What is a computer, Characteristics, limitations and applications of a computer, computer system, functions of a computer               |  |
|                  |  |  | Basic organization of a computer, CPU and its components, memory unit, units of memory, ALU, control unit,                              |  |
|                  |  |  | types of computers based on principles of operation and configuration   |  |
|                  |  |  |   |  |
| July             |  | Ch-3 Input and Output Devices              | The input and output unit, Storage devices  |  |
|                  |  |  |   |  |
|                  |  | Ch-4 Basics of Computer System             | Software and its classification, system s/w and operating system, language processor, device drivers, utility s/w,                      |  |
|                  |  |  | virus scanner, Encryption/Decryption tools, application s/w, general/specific application s/w, customized s/w,                          |  |
|                  |  | programming languages                      |   |  |
|                  |  |  |   |  |
| August-September | Word Processing  | Ch-7 Microsoft Word 2010-I                 | What is MS Office, introduction to word processor, important features of word processor, Introduction to MS Word 2010,                  |  |
|                  |  |  | opening MS Word 2010, backstage and components of MS Word 2010, creating the document, word wrap feature vs enter key,                  |  |
|                  |  |  | formatting marks, saving the document, saving the document using password, closing the document and application,                        |  |
|                  |  |  | opening an existing document, editing a document  |  |
|                  |  |  |   |  |
|                  |  | Ch-8 Microsoft Word 2010-II                | Formatting a document, character formatting, format painter, paragraph and page formatting, inserting symbols                           |  |
|                  |  |  |   |  |
|                  |  | Ch-9 Microsoft Word 2010-III               | Using MS Office utilities, replacing text and inserting graphics in word, working with shapes, creating drawing objects,                |  |
|                  | arranging graphics, selecting multiple drawing objects, grouping and ungrouping drawing objects, |  |   |  |

|          |                                     |   |   |
|----------|-------------------------------------|---|---|
|          |                                     |   | using WordArt option,   |
|          |                                     |   | bullets and numberings, tracking changes, working with tables, merging and splitting cells, performing calculations in table, |
| October  | Basic concepts of Communication+B44 |   | converting table to text or text to table, Mail merge, preview and printing a document  |
|          |                                     | Ch-5 Communication Technology                       | Computer networks, advantages and components of network, networking terms, types of network, Internet and its                 |
|          |                                     |   | terms, uses of internet, transmission medium, data and information, Multimedia, multimedia formats/Elements,                  |
|          |                                     |   | Applications of multimedia  |
| November | Operating System                    | Ch-6 Operating System                               | What is operating system, need for an OS, functions and types of OS, commonly used OS, Mobile OS,                             |
|          |                                     |   | Windows 7, starting windows, Desktop, Start button, shut down computer, Icons and taskbar, windows elements,                  |
|          |                                     |   | Application/document window, mouse setting, using right mouse button, what is a shortcut, Dialog box,                         |
|          |                                     |   | changing desktop background and screensaver, customizing desktop, enlarging desktop icons, Windows Explorer,                  |
|          |                                     |   | managing files and folders, Control panel, windows accessories  |
| December | OfficeTools                         | Ch-10 Microsoft PowerPoint 2010-I                   | Starting MS PowerPoint 2010, powerpoint window, guidelines to make an effective presentation, types of slide layouts,         |
|          |                                     |   | creating a blank PPT, Built-in template, modifying built-in template, saving a PPT, adding text, closing PPT,                 |
|          |                                     |   | exiting application, opening a PPT, different views of a slide  |
|          |                                     |   |   |
|          |                                     | Ch-11 Microsoft PowerPoint 2010-II                  | Adding new slides in a PPT, modifying a slide layout, working in slide sorter view, using slide ,master,                      |
|          |                                     |   | editing and formatting a slide, formatting text, using word art gallery, changing background color of a slide,                |
|          |                                     |   | using fill effects, inserting header and footer, pictures from files, images from clipart, shapes in a slide,                 |
|          |                                     |   | rotating a picture, shape, text, object, editing an image, grouping and ungrouping shapes, applying transitions to a slide,   |
|          |                                     | inserting sound effects, removing animation effect, |   |

|          |               |                                     |  |
|----------|---------------|-------------------------------------|--|
|          |               |                                     | applying rehearse timings, printing a slide  |
| January  | Spreadsheet   | Ch-12<br>Microsoft<br>Excel 2010-I  | Important features of spreadsheets, starting MS Excel, Workbook and Worksheet, components of worksheet, creating a new workbook, |
|          |               |                                     | inserting a worksheet, saving a workbook, renaming, deleting , moving, copying, opening a worksheet, working with worksheet,     |
|          |               |                                     | editing cell contents and ranges, inserting cells, columns and rows in a worksheet, deleting rows and columns from a worksheet,  |
|          |               |                                     | working with formulas, cell reference, using simple functions, advanced features of excel  |
|          |               |                                     |  |
|          |               | Ch-13<br>Microsoft<br>Excel 2010-II | Formatting a worksheet, numbers and text, applying formatting effects usinh Home tab, charts and its types,                      |
|          |               |                                     | components of a chart, creating chart in Excel, moving, resizing, deleting charts in Excel, formatting a chart,                  |
|          |               | previewing and printing a worksheet |  |
| February | Effects of IT | Ch-14 Societal<br>Impacts of IT     | Benefits of ICT in education, Impacts of IT, piagarism and privacy, Security and Integrity of information,                       |
|          |               |                                     | techniques to secure data, software piracy, prevention of s/w piracy and protection of privacy,                                  |
|          |               |                                     | intellectual property rights, careers in IT  |

### French

| Months  | Topics   |
|---|--|
| April-Mai   | <ul style="list-style-type: none"> <li>• French grammar including verbs</li> <li>• Sentence Formation</li> <li>• Paragraph writing</li> </ul>      |
| July  | <ul style="list-style-type: none"> <li>• French Culture and Civilization</li> <li>• Napoleon Bonaparte</li> <li>• Francophone countries</li> </ul> |
| Aug-Sep   | <ul style="list-style-type: none"> <li>• French map</li> <li>• French Countries and cities</li> </ul>  |
| Teaching material throughout worksheets, internet, listening through audio and video, oral activities, Tabs, dialogues between students in class. |  |

|   |  |
|---|--|
| Oct-Nov   | <ul style="list-style-type: none"> <li>• Letter in French</li> <li>• Weather in French</li> <li>• French food</li> </ul> |
| Dec   | <ul style="list-style-type: none"> <li>• French singer and dancer</li> <li>• Comprehension</li> </ul>                    |
| Jan-Feb.  | <ul style="list-style-type: none"> <li>• Personality description</li> <li>• Revision SA II</li> </ul>                    |
| Teaching material throughout worksheets, internet, listening through audio and video, oral activities, dialogues between students in class. |  |

### Social studies

| MONTH    | SUBJECT       | CH.NO. | CHAPTER NAME                            | ACTIVITIES          |
|----------|---------------|--------|---|---------------------|
| APRIL    | HISTORY       | 1      | French Revolution                       |                     |
|          | GEO.          | 1      | India : Location, Relief, Structure     |                     |
|          | CIVICS        | 1      | What Is Democracy?                      | Role play           |
|          | ECO           | 1      | The economic story of Palampur          |                     |
|          | DISASTER MGT. | 1      | Introduction to Disaster Management     |                     |
| MAY      | GEO           | 2      | Major physiography units                | Mapwork             |
|          | CIVICS        | 2      | Why Democracy?                          |                     |
| JULY     | HISTORY       | 2      | Rise of Nazism                          |                     |
|          | DISASTER      | 2      | common hazards                          | Charts/ Flash Cards |
|          | GEO           | 3      | Drainage                                |                     |
| AUGUST   | CIVICS        | 3      | Designing of democracy in India         |                     |
|          | ECO           | 2      | People as resource                      |                     |
| OCTOBER  | HISTORY       | 5      | Pastoralists in the modern world        |                     |
|          | GEO           | 4      | Climate                                 |                     |
|          | CIVICS        | 4      | Electoral politics in democracy         | Debate              |
|          | ECO           | 3      | poverty as a challenge facing India     |                     |
|          | DISASTER      | 3      | man made disasters                      |                     |
| NOVEMBER | HISTORY       | 7      | Sports and politics                     |                     |
|          | GEO           | 5      | Natural vegetation and wildlife         | Project Report      |
|          | CIVICS        | 5      | Institutions of parliamentary democracy |                     |
| DECEMBER | ECO           | 4      | Food security: Source of food grain     |                     |
|          | DISASTER      | 4      | Community based disaster management     |                     |
| JAN      | GEO           | 6      | Population                              |                     |
|          | CIVICS        | 6      | Citizen's rights in democracy           |                     |

## Science

|          |  |   |
|----------|--|---|
| APRIL    | 1)matter in our surrounding.<br>2)Is matter around us is pure. | Solid, liquid,gas and characterstics of matter.<br>Mixture,solution,elements,compounds,colloids and suspension.       |
| MAY      | 3)Atom and molecules<br>4)structure of atom.                   | Law of atoms,molecules,chemical formulae,molecular mass.<br>Models of atom,sub particles,valency,isotope and iso bar. |
| July     | 5)the fundamental unit of life<br>6)Tissues                    | Cell,nucleus,cell organeles,its type.<br>Tissue and its type  |
| AUGUST   | 7)Diversity of life<br>8) Motion                               | Complete classification<br>Different type of motion   |
| OCTOBER  | 9) force and law of motion<br>10) gravitation                  | Law of motion and momentum<br>Law of Gravitation,buoyancy,archemidies principal.                                      |
| NOVEMBER | 11)work and energy<br>12) sound                                | Work and energy<br>Characterstics of soundwaves,reflection of sound.  |
| DECEMBER | 13)why do we fall ill.<br>14) natural resources                | Health,type of disease and treatment.<br>resources  |
| JANUARY  | 15)improvement in food resources                               | Air and water,pollution and cycles.   |

## Art and Craft

| Months       | Topics   |
|--------------|--|
| April – May  | <ul style="list-style-type: none"> <li>• Master pieces in pencil shading</li> <li>• Master piece in pen and ink</li> </ul> |
| July –August | <ul style="list-style-type: none"> <li>• Collage making based on current topics</li> <li>• Installation</li> </ul>         |
| Sept-October | <ul style="list-style-type: none"> <li>• Mask making</li> <li>• Clay modeling</li> </ul>                                   |
| Nov-December | <ul style="list-style-type: none"> <li>• Objects for Diwali and Christmas decoration</li> </ul>                            |
| Jan-February | <ul style="list-style-type: none"> <li>• Short notes on Indian art</li> </ul>  |

