Shreejee International School
Syllabus (2016-2017)
Grade-VII
ENGLISH

MONTH	READER	WORKBOOK	CONVERSATIONS (Listening & Speaking Activities)	GRAMMAR BOOK	WRITING SECTION
APRIL	Unit 1: Friendship	Worksheet 1	Unit 1: Aiming High	Ch 1- The Sentence Ch 2 – Kinds of Sentences Ch 3 – Nouns Ch 4 – Noun Number	Diary Entry
MAY	Unit 1: Friendship (continued)	Worksheet 2	Unit 2: The World of Books	Ch 5 – Pronouns Ch 8 - Articles	
JULY	Unit 2: Wit and Humour	Worksheet 3	Unit 3: Neighbouring States	Ch 9 – Transitive and Intransitive verbs Ch 10 – Finite and non-finite verbs Ch 12 – Agreement of the verb with subject	Informal Letter
AUGUST	Unit 3: Courage and Heroism	Worksheet 4 & 5	Unit 4: Storytelling	Ch 6 – Adjectives Ch 7- Adverbs	
SEPTEMBER	Unit 5: Sports – a Way of Life	Worksheet 6	Unit 5: The Spirit of Sports Unit 6: Prevention and Care	Ch 13 - Preposition	
OCTOBER	Unit 6: Leisure	Worksheet 7	Unit 7: Noise Pollution	Ch 14 – Conjunctions Ch 15 - Interjections	Article Writing
NOVEMBER	Unit 4: Transcending Boundaries	Worksheet 8	Unit 8: Experiences Unit 9: Prevention	Ch 11 – Tense	
DECEMBER	Unit 7: Nature's Fury	Worksheet 9 & 10	Unit 10: Gadgets and Machines	Ch 18 – Active and Passive Voice Ch 16 - Modals	
JANUARY	Unit 7: Nature's Fury(Continued)	Worksheet 11	Unit 11: Child Labour	Ch 19 – Direct and Indirect Speech	Formal Letter
FEBRUARY			Unit 12: Celebrating Differences	Ch 17 – Punctuation and use of capital Letters	

Story Book (Novel) :ALICE'S ADVENTURES IN WONDERLAND – BY LEWIS CARROLL

Hindi

Month	Main Course Book	Grammar Book
अप्रैल	पाठ-1-इतने ऊंचे उठो पाठ-2-बुद्धि और भाग्य प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ	भाषा,लिपि,बोली और व्याकरण
मई	पाठ-3-आत्मा की शिक्षा पाठ-4-प्रभु तुम मेरे मन को जानो प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ	वर्ण विचार,शब्द विचार,शब्द निर्माण
जुलाई	पाठ-5-हमारे दीनू काका पाठ-6-माता को पत्र प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ	कारक,संधि,संज्ञा,लिंग,वचन
अगस्त	पाठ-7-हम पंछी उन्मुक्त गगन के पाठ-8-नीलू प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ,पाठ का महत्व	क्रिया,काल,सर्वनाम,विशेषण
सितंबर	पाठ-9-हार की जीत पाठ-10-सूरदास के पद प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ,पाठ का महत्व	वाक्य विचार,विराम-चिह्न,अव्यय
अक्तूबर	पाठ-11-फुसफुसाहट पाठ-12-नींव की ईंट प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ,पाठ का महत्व	शब्द भंडार,वर्तनी की अशुद्धियाँ,मुहावरे
नवंबर	पाठ-13-आ रही रवि की सवारी पाठ-14-परीक्षा प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ,पाठ का महत्व	अनुच्छेद,संवाद-लेखन,पत्र-लेखन
दिसंबर	पाठ-15-उफ!ये गर्मी पाठ-16-एक तिनका प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ,पाठ का महत्व	कहानी,अपठित गदयांश

जनवरी	पाठ-17-लघु भारत	निबंध लेखन
	पाठ-18-उखड़े खंभे	
	प्रश्न-उत्तर,मुख्य शब्द,सारांश,सरलार्थ,पाठ का महत्व	

Mathematics

Months	CHAPTER	Topic to be covered	
April-May	**1.Knowing our numbers**	• Addition and subtraction of integers • Multiplication of integers • Division of integers • Properties of addition, subtraction, multiplication and division of integers • Simplification of numerical expressions (using BODMAS)	
	2. Fractions	• Type of fractions • Addition and subtraction of fractions • Multiplication of fractions • Order of fractions • Division of fractions	Maths Lab Activity(Fraction)
	3. Decimals	• Expanded form of decimals • Comparison of decimals • Use of decimalin money, lengthand mass • Decimals and their expansion • Multiplication,division of decimal numbers	
	4.Rational numbers	• Representing rational numbers on number line • Comparison of rational numbers • Finding rational numbers between two given rational numbers • Operations on rational number • Decimal representation of rational numbers	Maths Lab Activity(decimals)
July	**5. Exponents and powers**	• The concept of base and exponent/power/index • Exponential form or power	

		notation • Laws of exponents and numbers with exponent zero ($a^0 = 1$) • Scientific notation of numbers	
	6. Algebraic expressions	• Introduction to algebraic expression • Addition and subtraction of algebraic expressions • Polynomials • Use of algebraic expressions	Maths Lab Activity(Algebraic expression)
August	**7.Linear equation in one variable**	• Equation, Linear equation • Solving an equation by balancing method and transposition method • Solution of an equation • Application of linear equations	Maths Lab Activity(Percentage and its application)
	8. Percentage and its applications	• Ratio • Proportion • Percentage-a means of comparison • Conversion of percent to fraction, decimal and ratio • Application of percentage • Profit and loss • Simple interest	
	9. Lines and angles	• Geometrical terms-point, line, plane, line segment, ray, angle • Pairs of angles-complementary, adjacent angles, vertically opposite angles and linear pair angles • Pairs of lines-intersecting and parallel • Transversal intersecting two lines • Angles made by a transversal with two parallel lines • Parallel lines cut by a transversal	
October-November	**10. Properties of Triangles**	• Classification of Triangles • Medians and altitudes • Exterior angle property of a triangle • Angle sum property of a triangle	

		• Sum of the lengths of two sides of a triangle • Pythagoras theorem • Converse of Pythagoras theorem • Pythagorean triplet	
	11.Congruence of triangles	• Congruent figures • Congruence of line segments and angles • Conditions for congruence of triangles-SSS, SAS, ASA and RHS	
	12. Constructions	• a line parallel to a given line, through a point outside the line • a line parallel to a given line, at a given distance • Construction of triangles (SSS,SAS,ASA and RHS criteria)	
	13. Reflection and rotational Symmetry	• Lines of symmetry of different symmetrical objects and regular polygons • Reflection symmetry • Rotational symmetry of plane figures • Order and angle of rotational symmetry	
December	**14. Perimeter and area**	• Perimeter of rectangle, square, triangle and regular polygons • Area of rectangles and squares • Conversion of units • Triangles on same base and between same parallel lines • Area of parallelograms and triangles • Perimeter and area of circles • Area of some more plain figures	
	15 Visualizing solid shapes.	• Introduction • Formula to find the number of faces ,vertices and edges • Nets of solid shapes • Drawing 3D shapes-oblique sketch and isometric sketch • Viewing different sections of solids	Maths Lab Activity(Perimeter and area)

Science

	Chapter	Topics to be covered
April	1.Nutrition in plants	Nutrition and its types, autotrophic nutrition in plants, heterotrophic nutrition, saprotrophs, replenishing nutrients in the soil
	12.time and motion	Standard units, measurement of time, speed, uniform motion, non-uniform motion, distance time graph
May	17.forests our lifeline	Forest wealth, producers, decomposers and consumers, food chain, balance in nature, forest conservation.
	5.Acids, bases and salts	Acids and bases- their important properties, preparation and uses of salts
July	2.Nutrition in animals	Nutrition in amoeba, hydra and frog, the human digestive system, ruminants
	4.chemicals and chemical changes	What is matter made up of, elements and compounds, mixtures, tools for chemical communication, symbols, formulae and chemical equations
August	9..Respiration in organisms	Respiration in plants, respiration in animals, respiratory system in humans, types of respiration
	15.Light	Rectilinear propagation of light, reflection of light, real and virtual images, spherical mirrors, lenses, spectrum
September	7.climate and adaptation	Weather, climate, effects of sun on climate, climate and adaptations
FA III		
October	6.temperature and heat	What is heat, effects of heat, expansion in solids, liquids and gases, temperature and its measurement
	11.Transportation of substances in plants and animals	Transportation of materials in plants, animals, excretion in animals and humans
	18.waste water management	Wastewater and sewage, importance of drainage and sanitation, sewage system, sewage treatment, alternate sewage disposal methods

November	16.Water- A precious resource	Our natural resources, renewable and non renewable resources, Water- a renewable resource, shortage of water, States of water, The water cycle, Ground water, Water conservation
	3. Fibre to Fabric	Wool, wool production, health hazards in wool industry, silk, sericulture.
December	17.Electric current and its effects	Electric current and circuit, effects of electric current, the electromagnet
	11.. Reproduction in plants	Asexual reproduction in plants, Vegetative reproduction, artificial methods of vegetative reproduction, sexual reproduction
January	14.Winds and storms	Natural disasters, air pressure, high speed wind causes reduced pressure, air expands on heating, wind currents, thunderstorms, cyclones and tornadoes, cyclone forecasting and warning.
	8.Soil	Soil formation, properties of soil, soil profile, soil composition, types of soil, soil erosion, soil pollution.

Social Studies

Months	Subject	Ch. No.	Chapter Name	Activity
APRIL		1	The medieval world	Activity based
	HIS	2	The regional kingdom I	Map work
	GEO	1	Our Environment	
	CIV	1	Democracy	
MAY	HIS	3	The Sultanate period	
	GEO	2	Inside our Earth	
	CIV	2	Pillars of democracy	Brief outline
JULY		4	The regional kingdom II	
	HIS	5	The great Mughals	
	GEO	3	The changing Earth	
	CIV	3	Democracy in action	Activity based
AUGUST	HIS	6	Monumental Architecture	
	GEO	4	Major landforms	
	CIV	4	State government	
SEPTEMBER	GEO	5	Composition and structure of the atmosphere	
OCTOBER	HIS	7	Towns ,Traders and craft persons	Brief outline
	GEO	6	Weather and climate	

		7	Water	
	CIV	5	Media and democracy	Brief outline
NOVEMBER	HIS	8	Tribal communities	
		8	Natural vegetation and wildlife	
	GEO	9	Human environment	
	CIV	6	Advertising	Activity based
DECEMBER		9	Religious beliefs	
	HIS	10	The flowering of regional cultures	
		10	Life in Tropical and Sub Tropical regions	Map work
	GEO	11	Life in Temperate grasslands	
	CIV	7	Market around us	Activity based
JANUARY	HIS	11	Political formations in the 18th century	
	GEO	12	Life in deserts	
		8	Role of gender	
FEBRUARY	CIV	9	India and democracy	Brief outline

FRENCH

Months	Chapter	Topics
April-May	0.	• Connaissez- vous la France?
	1.	• La letter de Valérie
	2.	• JoyeuxanniversairePaul !
July	3.	• C'est ma ville
Aug-sep	4.	• Unejournéedans la vie de mes parents
	5.	• Mon argent de poche
Civilization		
Oct-Nov	6.	• Les loisirs de Nathalie
	7.	• Range ta chambre
Dec	8.	• Oùallez-vous?
	9.	• "Hier, j'ai….
JAN	10.	• Pendant les vacances

Month	Theme	Chapters	Topics
April-May	Digital Computation	Ch-1 Number System	Decimal & Binary Number System, Decimal to Binary Conversion, Binary to Decimal Conversion, Octal & Hexadecimal Number System, Computer Arithmetic, Binary Addition/Subtraction/ Multiplication/Division
	Operating System	Ch-2 Working in Windows 7	Starting Windows Explorer, Creating a Library, Viewing Files or Folders, Working with the Control Panel, Trouble Shooting
July	Spreadsheet	Ch-3 Formulas & Functions	Creating a Basic Formula, Using Compound & Text Formulas, Using Ranges in Formulas, Types of Cell Reference, Cell Reference of another Worksheet, Naming a Sheet Tab, Changing Colour of Sheet Tab, Functions, Rules to enter a Function, Common Functions, Formula Errors
August-September	Spreadsheet	Ch-4 Using Excel as Database	Using Form to Enter Data, Adding New Record in a Form, Searching a Record, Sorting/Filtering Data, Using Advanced Filter, Using Advanced Filter/Data Validation, Adding Subtotal in Database, Analyzing Data with Pivot Table
		Ch-5 Advanced features of Excel	Components of a Chart, Commonly used Chart Types, Creating and Formatting a Chart, Using Goal Seek, Consolidating Data, Grouping Worksheet
October	Animation	Ch-6 Working with Flash CS3	What is Flash, To open Flash, The Workspace, Setting Document Properties, Drawing an Object & Grouping Outline with Fill, Applying Gradient Fill, Creating a New Gradient, Modifying a Linear and Radial Gradient, Editing Objects, Importing Graphics, Animation in Flash, Tint Tweening, Creating a Simple Text Shape Tween
November	Animation	Ch-7 Working with Layers	Selecting/Renaming a Layer, Adding New Layers, Changing the Order of Layers, Hide & Show Layers, Lock a Layer, Masking in Flash, Rotating with Masking Effect, Using Onion Skin Tool
December	Internet Applications	Ch-11 Internet Services	Social Networking Sites, Microblogging & Twitter, Internet Forum, Cloud Computing/One Drive, E-Greetings/E-mail

January	Computer Security	Ch-12 The Virus	Virus, Symptoms of Virus, Preventing a Virus Infection, Antivirus Software, Using an Antivirus Software

Moral Values

Months	Story
April	Concentration, Determination
May	Secret of Success
July	Save Nature
Aug	Dignity of Labour
Oct	Laughter : A Natural Therapy , Think before you act
Nov	Value of Time
Dec	Pride : A Hurdle in Progress
Jan	Follow Discipline Everywhere
Feb	Yoga : The Wellness of Mind and Body

Art and Craft

Months	Topic
April – May	- Study of Light and Shade in Pencil Shading - Composition of Two Object in Pencil Shading - Composition based on environment - Concept of Brush and ink
June – August	- Drawing Stick figures - Mehndi Designs - Study of Tree and Bird with Pen - Study of Perspective - Texture study
Sept-October	- Charcoal technique - Collage with Paper Cutting and Tearing - Water and Pastel colour impression on white sheet - Still life - Story Illustration
Nov- December	- Pattern Design - Composition on Christmas Festival - Landscape in Water Colour
Jan- February	- Freehand drawing - Poster Making - Historical monuments - Folk art

G.K.

Month	Chapter	Topics
April-may	Unit1	Our Green world
July	Unit 2	Animal kingdom
August	Unit 3	Language and literature
September	Unit 4	India- Our Country

Month	Chapter	Topics
October	Unit 5	World Around Us
November	Unit 6	Recreation
December	Unit 7	Science and Technology
January	Unit 7	Science and Technology
February	Unit 8	Miscellaneous