

Abhinav Bharati High School

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SYLLABUS FOR THE ACADEMIC SESSION 2020-2021

CLASS - 7

1. ENGLISH

2. HINDI

3. SCIENCE

4. MATHEMATICS

5. SST

6. COMPUTER

ENGLISH

Book- Magic Place 7(Orient Black Swan) and New Grammer tree(Oxford Publication)

CLASS-VII

MONTH	LITERATURE	LANGUAGE
May	Revision Work	Revision Work
June	Stopping by te woods on a Snowy Evening	Revision-Noun
		Pronoun
		Verb
		Adjective
July	Engine Trouble	Formal Letter
	A Slumber did my spirit seal	Transitive & In transitive verbs
August	Jame Eyre	Phases & Clauses
	The Hero	Paragraph
September	Lake Isle of Innisfree	Determiners
October	The Pied Piper of Hamelin	Bio Sketch
		Adverb(Kinds)
November		Active and passive voice
December	Te Diamond Necklace	Reported speech

* Project to be given from the Rapid Reader-Tales from Shakespeare

कक्षा 7 हिंदी

प्रथम सत्र

माह	सुनहरी धूप	नंदिनी	व्याकरण	लेखन कौशल
मई	समर्पण, हींग वाला		भाषा, बोली, लिपि और व्याकरण	
जून	स्वास्थ्य ही जीवन है, हींगवाला	महर्षि व्यास	वर्ण विचार	अनुच्छेद लेखन
जुलाई	युगावतार गांधी	सूरदास	संज्ञा, सर्वनाम, विशेषण, क्रिया	पत्र लेखन अपठित गद्यांश
अगस्त	स्वास्थ्य ही जीवन है हींगवाला (पुनरावृत्ति)		पर्यायवाची, विलोम, अनेक शब्दों के लिए एक शब्द, अनेकार्थक शब्द	चित्र लेखन, अनुच्छेद लेखन

द्वितीय सत्र

सितंबर	भक्ति के भाव सुमन	सुकरात	क्रिया, काल, अविकारी शब्द	निबंध लेखन
अक्टूबर	माँ जीवन संचालिका, भक्ति के भाव सुमन		उपसर्ग प्रत्यय	पत्र लेखन
नवंबर	तूफानों की ओर, ऐसे थे बालकृष्ण भट्ट		वाक्य विचार, मुहावरे लोकोक्तियां	अपठित गद्यांश, ई मेल
दिसंबर	ऐसे थे बालकृष्ण भट्ट	उस्ताद बस्मिल्लाह खां	समास	अनुच्छेद लेखन, पत्र लेखन, अपठित गद्यांश (पुनरावृत्ति)

पुस्तक

- सुनहरी धूप (रचना सागर प्रा० लि०)
- व्याकरण निपुण तरुण पब्लिकेशन
- नंदिनी (Inspiration publication)
हिन्दी पूरक पुस्तिका

Science Syllabus of class VII

Month	Unit	Chapter	Sub-Topic
May	1	Language of Chemistry	Symbols ,Formulae, Chemical Equation
			Valency
			Obtaining the formulae of compounds
June	2	Acids, Bases and Salts	Acids, bases, salts
			Natural indicators around us
			Neutralization related activities
			Neutralization in everyday life
			Identifying acidic and basic household substances
			Acids-their general behavior and uses
			Basic substances
			Bases-their general behavior and uses
			Salts found in nature
	5	Heat	Introduction- Heat and Temperature
			Measuring temperature - scales of temperature
			Clinical thermometer
			Laboratory thermometer
			Effects of Heat
			Transfer of Heat - Conduction
			Convection
			Radiation
			Kinds of clothes we wear in summer and Winter
July	9	Obtaining and Utilizing food	Introduction and Autotrophic nutrition
			Heterotrophic nutrition
			Special types of nutrition
			The human digestive system (to be contd.)
			The human digestive system
			Digestion in herbivore
	3	Changes and Reactions	Physical and chemical changes and their related activities
			Rusting of iron
			Crystallization
			Types of chemical reactions
	15	"Wind Storm & Rain	Air Pressure
			Speed of wind and air pressure
			Air expands on heating
			Wind Currents
			Thunder storms and cyclones
Destruction caused by cyclones			
Effective safety measures			
4	Soil	Soil teeming with life	
		Soil profile and types	
		Properties of soil	
		Moisture in soil	
		Absorption of water by soil	
		Soil and crops	

August	6	Time Motion & Speed(To be Continued)	Measurement of time-description of time measuring devices
			Interval of Time
			Unit related to time
			Simple pendulum - related terms
	11	Respiration in Plants and Animals	Process of Respiration
			Respiratory organs in some animals
			Experiments
			Respiration in Man
			Anaerobic respiration
4	Fibres from Animals	Silk & Wool	
October	16	Water	Differentiating Silk & Wool from artificial fabrics.
			Availability of water
			Forms of water
			Groundwater -an important source of water
			Depletion of water table
			Distribution of water
			Water management
			Our role in water conservation
	Effect of scarcity of water		
	6	Time,Motion and Speed	Speed
			Distance time graph
	12	Reproduction in Plants	Relevant numerical problems
			Introduction & Asexual reproduction
18	Waste water story(To be continued)	Sexual reproduction	
		Water our life	
		Sewage, sewer, sewerage	
		Waste water treatment plant (WWTP)	
		Better housekeeping practices	
		Sanitation and disease	
		Alternative arrangement for sewage dispersal	
Sanitation at public places			
November	7	Electricity	Symbols of electric components
			Electric circuits
			Circuit diagrams
			Heating effect of electric current
			Magnetic effect of electric current
			Electromagnet
	18	Waste Management	Electric bell
			Sources of liquid wastes
			Wetlands
			To reduce the load of pollutants in waste water
10	Transport and Excretion	Other waste disposal systems	
		Transport in plants	
		The Circulatory System	
			Removal of Waste
			Rectilinear Propagation of light
			Reflection of light - regular and irregular reflection

December	8	Light	of light
			Laws of Reflection
			Images - real and virtual
			Lateral inversion
			Types of spherical mirrors
			Types of lenses
			Nature of images formed by lenses
			Sunlight - white or colored
	13	Weather, Climate and Adaptations of Animals to Climate	Introduction - Weather & Climate
			Climate and Adaptation
	17	Forests	Introduction & Forests Products
			Environmental Balance
			A natural habitat
Deforestation			
		Delhi Ridge- A Case Study	

MATHEMATICS

Book- Number Magic class VII(Ratna Sagar)

CLASS-VIII

MONTH	CHAPTER	TOPICS
May-June	Integers	Addition
		Subtraction
		Multiplication
		Division of Integers
	Fractions	Proper Fraction
		Improper Fraction
		Kinds of Fraction
		Addition,Subtraction,Multiplication and Division of Fractions
July	Decimals	Converting a decimal into fraction
		Converting a fraction into a decimal
		Addition and Subtraction of decimals
		Multiplication and division of decimals & its related
		Problem sums
	Rational Numbers	Propertise of Rational numbers
		Representation of rational numbers on real line or number line
		Arranging in assending and decending order
		Addition & Subtraction of Rational numbers
		Multiplication and diovision of Rational Numbers
August	Lines and Angles	Complement & Suppliment Angles
		Finding angles on a straight line
	Propertise of parallel lines	Parallel Lines
		Transversal
		Corresponding,Alternate Interior, Alternate Exterior,Consecutive interior angles
		Angles formed when a transversal cuts two parallel lines
		Base and powers
		Exponential form

September	Exponents	Simplify
		Powers of rational numbers
		Reciprocal of a rational number
		Laws of exponents
		Expressing large numbers in the standard form
	Ratio and Proportion	Simplest form
		Problem sums on ratio
		Proportion proving
		Finding fourth proportion, Continued Proportion and mean proportion
Direct and inverse variations (unitary method)		
October	Simple Equation	Linear equations in one variable
		Forming an equation
		Solving an Equations
		Transposition
		Cross Multiplication
	Application of simple equation	
Comparing Quantities (Percentage)	Percentage and its application and its word problems	
November	Comparing Quantities (II, Profit and loss)	Finding profit, loss and its %.
		Finding S.P when C.P and profit % and loss % are given
		Word problems on profit and loss
	Simple Interest	Terms and Formulae related to simple Interest
		Triangle and its Properties
	Altitude of a Triangle	
	Properties of the angles of triangle	
	Exterior Angle property of triangle	
	Pythagoras property	
December	Perimeter and Area	Perimeter and Area of Rectangle
		Perimeter and Area of a Square
		Circumference and area of a circle
	Practical Geometry	Conjunctions of parallel lines
		Conjunction of Triangles

Social Science

Book-Social Studies(Viva Publications)

Class-VII

MONTH	CATEGORY	CHAPTERS
May	Geography	Environment
June	History	Kings and Kingdoms of the early Medieval period
		The Chola Kingdom
		The delhi Sultanate
		The Slave Dynasty
		The Lodi dynasty
July	Civics	the state Government- Its working and role
August	Geography	Inside our earth
		Structure of the earth
		Rocks and Minerals
		Our Changing Earth
		Plate tectonics
		Volcanoes and Earthquakes
September	History	The Mughal Empire
October	Civics	Role of Government in Healthcare
November	Geography	Elements of weather and climate
December	History	Religious Developments

COMPUTER SYLLABUS FOR THE YEAR 2020-2021

CLASS VII

COMPUTER

BOOK NAME: IT SKILLZ - 7

JUNE :	COMPUTER : HARDWRE COMPONENTS
JULY :	NUMBER SYSTEM : AN INTRODUCTION
AUGUST :	REVISION OF ABOVE CHAPTER + COMPUTER VIRUSES
SEPTEMBER & OCTOBER :	MS EXCELL : WORKING WITH WORKSHEET
NOVEMBER :	DATABSE MANAGEMENT SYSTEM
DECEMBER :	HTML SUPPLEMENT : FORMS , REPORTS, LISTS AND TABLES REVISION.