GURU GOBIND SINGH PUBLIC SCHOOL
SPLIT UP OF THE SYLLABUS [SESSION 2019-20]

CLASS- IX
SUBJECT: ENGLISH

Prescribed Books — **Publisher**

1. BEEHIVE – Text book in English for class 9 - NCERT
2. MOMENTS - Supplementary Reader in English for class 9 - NCERT

Month	Working Days	Chapter/Topics	Project / Activity
April	**20**	Beehive: (1) The Fun they had , (2) The Road not taken , (3) The Sound of Music Moments: (1) The Lost Child Grammar: Re-arrange the jumbled words, Tenses Writing : Diary Entry	
May & June	**18**	Beehive: (P) Wind, Moments: (2) The Adventure of Toto Grammar: Integrated Exercises, Error of Edition, Sub verb Agreement Writing: Article Writing	Poster making
July	**23**	Beehive: (3) The little girl,(P) Rain on the roof, (4) Truly Beautiful Mind Moments: (3) Iswaran the story teller Grammar: Use of passive voice, Error of Omission Writing: Article Writing (contd.) , Descriptive Paragraph Writing.	
August	**20**	Beehive: (P) The Lake isle of Innisfree , (5)The Snake and the Mirror (P)A Legend of North Land Moments: (4) In the Kingdom of fools, The Happy Prince Grammar Determines Writing: Story Reading: Factual Passage	Group Discussion
September	**09**	**Revision and Half yearly Exam**	
October	**13**	Beehive: (6) My childhood (P) No men are foreign Moments: (6) Weathering the storm Grammar: Prepositions Writing: Descriptive paragraph writing (Revision)	
November	**18**	Beehive: (7) Packing (P) The Duck and the Kangaroo,(8)Reach for the top, (P) On killing a tree Moments: (7)The Last Leaf, Grammar: Reported Speech Writing: Article Writing(Revision) Reading: Descriptive passage	Speech deliverance
December	**16**	Beehive: (9) The Bond of Love, (P) The Snake trying Moments: (8) A House is not a Home, (9) Accidental Tourist Grammar: Integrated Grammar Exercise Writing: Diary Entry	
January	**17**	Beehive: (10)Kathmandu, (11)If I were you, (P)A slumber did my spirit Moments: (10) The Beggar Grammar: Clauses Writing: Story writing	
February	**10**	**Revision and Annual Examination**	

पाठ्यक्रम वर्ष – 2019 – 20

हिन्दी

पुस्तकों के नाम – क्षितिज भाग – 1 कृतिका भाग – 1 , व्याकरण

व्याकरण प्रथम सत्र का पाठ्यक्रम (अप्रैल से सितम्बर तक)

अप्रैल : –	गद्यपाठ	–	दो बैलो की कथा
	पद्यपाठ	–	साखियाँ और सबद – 1
	व्याकरण	–	उपसर्ग, प्रत्यय, पत्रलेखन,अर्थ के आधार पर वाक्य भेद
मई : –	गद्यपाठ	–	ल्हासा की ओर
	व्याकरण	–	निबंध लेखन।
जून : –	गद्यपाठ	–	ल्हासा की ओर
	पद्यपाठ	–	वाख
	कृतिका	–	मेरे संग की औरतें
	व्याकरण	–	संवाद लेखन
	परियोजना कार्य – किसी भी प्राकृतिका आपदा का वर्णन चित्र के माध्यम से करें।		
जुलाई –	गद्यपाठ	–	सांवले सपनों की याद
	पद्यपाठ	–	कैदी और कोकिला, सवैये।
	व्याकरण	–	समास,पत्र लेखन
	परियोजना कार्य – कन्या भ्रूण हत्या पर दो मित्रों के बीच संवाद लिखें।		
अगस्त –	गद्यपाठ	–	नाना साहब की पुत्री देवी मैना को भस्म कर दिया गया
	पद्यपाठ	–	चंद्र गहना से लौटती बेर
	कृतिका	–	रीढ़ की हड्डी
	व्याकरण	–	अलंकार (शब्दालंकार)
परियोजना कार्य – अपने प्रिय स्वतंत्रता सेनानी का चित्र बनाकर उनका जीवन परिचय दें।			
सितम्बर –	पुनरावृत्ति कार्य (प्रथम सत्र की परीक्षा)		
	द्वितीय सत्र का पाठयक्रम (अक्टूबर से मार्च तक)		
अक्टूबर	गद्यपाठ	–	प्रेमचन्द के फटे जूते
	पद्यपाठ	–	मेघ आए
	कृतिका	–	माटी वाली
	व्याकरण	–	संवाद लेखन ,अलंकार (अर्थालंकार)
नवम्बर –	गद्यपाठ	–	मेरे बचपन के दिन
	व्याकरण	–	निबंध लेखन , पत्र लेखन,संवाद लेखन ,समास
दिसम्बर –	पद्यपाठ	–	यमराज की दिशा
	व्याकरण	–	निबंध लेखन,पत्र लेखन,संवाद लेखन
जनवरी –	पद्यपाठ	–	बच्चे काम पर जा रहे है।
	व्याकरण	–	अपठित पद्यांश गद्यांश और अलंकार
फरवरी –	पुनरावृत्ति कार्य		
	नोट – संपूर्ण पाठयक्रम वार्षिक परीक्षा में सम्मिलित है।		

(द्वितीय सत्र मे व्याकरण संपूर्ण पाठ)

संस्कृत पाठ्यक्रम 2019–2020
कक्षा–नवम्

पाठ्यक्रमानुसार निर्धारित पाठ्य पुस्तकें

1. शेमुषी – प्रथमो भागः, प्रकाशनम् – रा० शै० अनु० प्र० परि० द्वारा।
2. अभ्यासवान् भव – प्रथमो भागः, प्रकाशनम्– रा० शै० अनु० प्र० परि० द्वारा।
3. व्याकरणवीथिः – व्याकरणपुस्तकम्, प्रकाशनम् – रा० शै० अनु० प्र० परि० द्वारा।

पाठ्यक्रम का मासिक विभाजनः–

अप्रैल : पाठ्यपुस्तकात्–

पाठः 1 – भारतीवसन्तगीतिः [श्लोकानाम् अन्वयाः, अर्थाः, श्लोकाधारितान् प्रश्नान्, सम्पूर्ण पाठाभ्यासम् कार्यम् च।

पाठः 2 – स्वर्णकाकः [पठितगद्यांशात् प्रश्नानां उत्तराणि, सम्पूर्ण पाठाभ्यासम् च।

व्याकरणानि : सन्धि [दीर्घ, गुण, वृद्धि, यण्, अयादि] हिन्दी भाषायाम् लिखितानाम् सरल वाक्यानाम् संस्कृतभाषायाम् अनुवादं, अपठित गद्यांशं पत्र लेखनम्, चित्रलेखनम् च।

मई : व्याकरणानि : उच्चारणस्थानम्, वर्णविन्यासं संयोजनम् च।

जून : पाठः 3 : सोमप्रभम् [सम्पूर्ण पाठाभ्यासम्]

व्याकरणानि : प्रत्ययाः [क्त्वा, ल्यप्, तुमुन्, क्तवतु, शतृ, शानच्। धातुरूपाणि–कृ, पा, सेव्, अस्, पठ् लट्, लृट्, लङ्ग, लकारे, लृट्, विधि लिङ्ग],

शब्दरूपाणि : बालक, लता, फल, साधु, नदी। संख्या–वाचक शब्द [01–100] पर्यन्तम्। पर्यायपदानां, विलोम, पदानाम् च मेलयत्।

परियोजना कार्यम्

जुलाई : पाठः 4 – कल्पतरूः, पाठः 5 – सूक्तिमौक्तिकम्
[सम्पूर्ण पाठाभ्यासकार्यम्, घटनाक्रमानुसारेण लिखत]

व्याकरणानि : उपपद विभक्तिभिः – 1. द्वितीया – निकषा, प्रति, विना, परितः, समया, 2. तृतीया–समम् साकम्, विना, अलम्, सार्धम, सह, 3. चतुर्थी – रूच् कुप, दा, नमः,

शब्दरूप : सर्वनाम–अस्मद, युष्मद, किम् [त्रिषु लिङ्गेषु]

अगस्त : पाठः 6 : भ्रान्तो बालः [सम्पूर्ण पाठाभ्यासकार्यम्] पठित गद्यांशात् प्रश्नानाम् उत्तराणि, घटनाक्रमानुसारेण लिखत च] द्वयोःश्लोकयोः अन्वयः। भावार्थः

व्याकरणानि : आ, वि, प्रति, उप, अनु, निर, अधि, प्र, अप, नि, अव, उपसर्गाः

सितम्बर : सम्पूर्ण पाठानाम् व्याकरणानाम् च पुनरावृत्तिः कार्यम् तथा अर्द्धवार्षिकी परीक्षायाः शुभारम्भः।

अक्टूबर : पाठः 7 – प्रत्यभिज्ञानम् [नाट्यांशात् प्रश्नानाम् उत्तराणि, सम्पूर्ण पाठाभ्यासकार्यम् च]
पाठः 8 – लौहतुला [गद्यांशात् प्रश्नानाम् उत्तराणि]

व्याकरणानि : अपठितगद्यांशं, पत्रलेखनं, चित्रलेखनम्, संस्कृतेन अनुवादम्, स्वर सन्धि [दीर्घ, गुण, वृद्धिः] क्त्वा, ल्यप्, तुमुन् क्तवतु, शतृ, शानच्,
शब्दरूपाणि–बालकवत् लतावत्, फलवत्,नदी, साधु
धातुरूपाणि–अस् कृ पठ् [पञ्च लकारे], पा, सेव् [पञ्च]
उच्चारणस्थानानि, वर्णानाम् संयोजनम्–वियोजनम् च।

नवम्बर : पाठः 9 – सिकताासेतुः, पाठः 10 – जटायोः शौर्यम् [सम्पूर्ण पाठाभ्यासकार्यम्, श्लोकानाम् अन्वयाः

व्याकरणानि :

उपपदविभक्तिभिः–

1. पञ्चमी – विना, बहिः रक्ष्, भी
2. षष्ठी – पृष्ठतः, उपरि, पुरतः,अधः,
3. सप्तमी – निपुणः, स्निह, विश्वस्।

धातुरूपाणि–सेव्, [पञ्चसु लकारे]

तृतीया सावधिक परीक्षा [P_3] परियोजना कार्यम्

[परियोजना कार्यम् – वर्णानाम, उच्चारणस्थानम् तलिका, पाठधिारित, परियोजना कार्यम्।

दिसम्बर : पाठः 11 पर्यावरणम् [सम्पूर्ण पाठाभ्यासम् कार्यम

व्याकरणानि – पुरावृत्ति कार्यम् – पाठाधारितम् सन्धि कार्यम्

जनवरी : पाठः 12 – वाङ्मनः प्राणस्वरूपम् [सम्पूर्ण पाठाभ्यास]

व्याकरणानि – सम्पूर्ण पाठानाम् व्याकरणानाम् च पुरावृतिः।

फरवरी : पुावृत्ति कार्यम् तथा वार्षिकी परीक्षायाः शुभारम्भः [सम्पूर्णपाठेभ्यः व्याकरणेभ्यः

Subject :Mathematics

Month	No. of Working Days	Chapter name and content	Activity/Projects
Apr	**20**	**Number System** Review: Rational no. on number line, Representation of Terminating & Non-Terminating recurring decimal on number line Irrational Numbers, Real number & their decimal expansion, Representing real number on the number line, Operation of real numbers, Rationalisation of the denominator, Law of exponents of real numbers. **Polynomials** Introduction, Polynomial in one variable, zero of a polynomial, Remainder Theorem Factor Theorem, Factorization of polynomials	Activity: To verify the algebraic identities$(a+b)^2=a^2+b^2+2ab$
May	**03**	Algebraic Identities	
Jun	**15**	**Co-Ordinate Geometry** Introduction, Cartesian System, Plotting a point on a plane on linear equation ax+by+c=0 & linking with the linear equation in two variables. **Eculid's Geometry** Introduction to Eculid's Geometry Eculid's Definition, Axioms & Postulates, Equivalent Version of Eculid's5^{th} Postulate.	To verify the sum of angles of a triangle is 180^0.
Jul	**23**	**Mensuration(Heron's Formula)** Introduction, Area of triangle by Heron's Formula, Application of Heron's formula in finding area of quadrilaterals **Lines & Angles** Introduction, Basic terms & Definition, Intersecting lines & Non-Intersecting Lines, Pair of angles. Parallel lines & a Transversal ,Lines Parallel to same line. Angle sum property of a triangle.	
Aug	**20**	**Triangles** Introduction, Congruence of Triangles, criteria for Congruence of Triangles,some properties of a triangle Some more criteria for Congruence of Triangles. Inequalities in a triangles& Questions`	
Sep	**9**	**Revision for Half-Yearly Examination** **Discussion of Question Papers**	
Oct	**13**	**Linear Equation of Two Variables** Introduction, Geometrical/Graphical Representation of linear equation Solution of two variables, Equation in 2 variables, Equation of lines parallel to X-axis & Y-axis. **Quadrilaterals : Introduction** , Angle sum property of quadrilateral ,Types of quadrilateral , Properties of parallelogram. Another condition for a Quadrilateral to be a parallelogram. Mid-Point Theorem	To form a cube and find its surface area experimentally.
Nov	**18**	**Area of Parallelogram and Triangles** Introduction, Figure on same base and between the same parallels and theorem	To verify that the opposite angles of a cyclic quadrilateral are supplementary .

		Circle Introduction, Review of circles, Angle subtended by a chord at a point, Perpendicular from the center to a chord. Equal chord and their distance from center.	
Dec	**16**	Angle subtended by an arc of a circle. Cyclic Quadrilateral **Construction** Introduction, Basic Construction, Construction of a triangle. **Surface Area & Volume** Introduction, Surface Area of Cuboid & Cube, Total surface area of cuboid	
Jan	**17**	**Surface Area & Volume** Surface Area& volume of a right circular Cylinder, cone, sphere & hemisphere **Statistics** Introduction, Presentation of data, Graphical representation of data 1. Bar graph 2. Histogram 3.Frequency Polygon. Measure of central Tendency 1. Mean 2. Mode 3.Median **Probability** Introduction, Probability-An experimental Approach through events.	
Feb	**10**	**Revision**	

Physics

Subject : Science & Tech. (Physics) Prescribed Textbook :

1. Science and Technology – NCERT

Reference Books :

Month	No. of Working Days	Chapter name and content	Activity/Projects
Apr	**20**	**1. Motion :** Distance and displacement, Speed - Velocity; ;acceleration, distance – time and velocity – time graphs for uniformly accelerated motion: Equation of motion by graphical mathod	a) Graphical representation of various types of motion. b) Demonstration of uniform circular motion.
May	**3**	**Motion -** Equation of motion by graphical method Contd…..	To plot distance – time graph and find speed.
Jun	**15**	**Motion (contd.) :** Numericals of Equations of motion, Elementary idea of uniformly circular motion. **Force and Newton's Laws of Motion :** Introduction	To plot velocity-Time graph and acceleration
Jul	**23**	**Force and Newton's Laws of Motion :** Force and motion, Balanced and Unbalanced force. First law of motion, Inertia & Mass. Momentum, Newton 2nd law of motion & derivation, Third law of motion, Action and Reaction, Laws of conservation of momentum.	
Aug	**20**	**3. Gravitation :** Gravitation, Universal law of Gravitation, Free fall body, Mass and Weight, Force of Gravitation of the earth, acceleration due to gravity, mass and weight, variation of g.	d) To establish the relationship between weight of a rectangular wooden block using spring balance.
Sep	**9**	**Revision Half Yearly Examination Discussion of Question Paper**	
Oct	**13**	**5. Floatation:** Thrust and Pressure, Archimedes Principle, Buoyancy, Elementary idea of relative density.	1) To determine the density of soild (denser than water) by using a spring balance and a measuring cylinder
Nov	**18**	**4. Work and Energy:** Work done by a force, 1 Joule, Kinetic and Potential energy, Law of conservation of energy, Rate of doing work (Power)	2) To establish the relation between the loss in weight of a solid. When fully immersed in - (i) tap water (ii) strong salt
Dec	**16**	**6. Sound:** Nature of sound, Propagation of sound, Sound waves are longitudinal waves, Speed of sound, Speed of sound in different medium. Reflection of sound, Echo in humans, Sonar, Ultrasound,	3) To verify laws of reflection for sound waves. 4) To determine the velocity of a pulse propagated through a slinky
Jan	**17**	Structure of Human Ear. & Revision	
Feb	**10**	**Revision for Examination**	

Chemistry

Book prescribed-NCERT(Science and Technology)

Months	No of working days	Chapters to be covered month wise and Breakup of the chapters content wise.	Activity/Project
April	20	Definition of matter, different states of matter and their characteristics, concept of latent heat, change of states-melting, freezing, evaporation, condensation and sublimation.	
May	03	Factors affecting rate of evaporation-matter completed.	
June	15	Is matter around us pure –elements, compounds and mixutures, homogeneous and heterogeneous mixtures, Comparative study of characteristics of true solution ,suspension and colloidal solution.	
July	23	Separation of components from mixture by different physical methods. Separation of components from air, water purification system(different steps), physical and chemical change-chapter completed. Atoms and molecules- Laws of chemical combinations.	
August	20	What is an atom, atomic size, symbol, what is molecule, concept of atomic mass, molar mass , valency, ions-cations and anions, polyatomic ions, writing the formulae of compounds by criss –cross method. Mole concept and numerical problems based on this.	
September	09WD	Revision and Half Yearly Exam.	
October	13	Structure of atom-discovery of electrons , Protons and neutrons, properties of cathode ray and anod ray.	
November	18	Thomson's model of atom, Rutherford's gold foil experiment, Rutherford's model, drawbacks of his model.	
December	16	Bohr's model of atom, atomic number, mass number, isotopes and isobars with examples. Chapter completed –Revisions.	
January	17	Thorough revision and discussion from sample papers.	
February	10	Revision and Annual Exam.	

Subject: Biology

Class: 9 **Prescribed Book - NCERT**

Month	Number of working days	Chapters to be covered and content wise break-up
April	20	Improvement of food resources (plant), green revolution, hybridization, plant breeding, crop variety improvement ,fertilizer and manure, protection from pest and diseases, organic farming.
May	03	Animal husbandry up to cattle farming.
June	15	Animal husbandry contd. Poultry farming, bee-keeping- chapter completed .Cell-The basic unit of life –cell discovery, cell wall and cell membrane.
July	23	Cell organelles and cell inclusions, chloroplast, Mitochondria, vacuoles, endoplasmic reticulam, golgi apparatus, nucleus, chromosomes—basic structures and nuclear osmosis—chapter completed.
August	20	Tissue-classification and function of plant tissue, animal tissue –epithelial tissue, connective tissue, muscular tissue and nervous tissue—chapter completed.
September	09	Revision and half yearly exam
October	13	Biological diversity-basis of classification, hierarchy of classification, five kingdom classification system –Monera, Protista, Fungi, Planate started.
November	18	Major divisions in plantae- characteristics, major groups of animalia- their salient features, nonchordatesupto phyla and chordates up to classes.- chapter completed.
December	16	Why do we fall ill ? Significance of health ,diseasesand its causes, organ specific and tissue specific manifestation ,immunization.
January	17	Natural resources-air, water, soil. Significance of air, movement of air and its role in bringing rains across India. Brief introduction of air ,water and soil pollution, Ozone layer depletion, biogeochemical cycles in nature, water, oxygen ,carbon and nitrogen- chapter completed.
February	10	Revision and annual exam.

Subject: History, Civics & Economics

Month	No. of Working Days	Chapter name and content	Activity/Projects
Apr	**20**	**History**: French Revolution (Up to Outbreak of Revolution) **History**: Up to Did women have a Revolution? **History**: The Revolution & Everyday Life & conclusion **Civics**: What is Democracy & Why Democracy? Introduction about Democracy **Civics**: What is Democracy & Why Democracy? Up to Broader meaning of Democracy. **Economics**: The story of village Palampur (Up to Organisation of Production)	Draw or Paste Political Symbol of French Revolution. Draw the cartoon given in P.No-32 and comment on it.
3	**4**	**Economics**: Up to Non-farm Activities in Palampur.	
Jun	**15**	**History**: Up to The first world war and the Russian Empire. **History**: Socialism in Europe and the Russian Revolution-Up to The civil war. **History**: Up to The Influence of the Russian Revolution and the USSR.	Graph 1.1 Map Work
Jul	**23**	**Civics**: Constitutional Design. **Civics**: Electoral Politics(Up to Polling and Counting of votes) **Civics**: Electoral Politics **Economics**: People as Resource(Up to Economic activities by men and women)	Paste the pictures of members of Drafting Committee. Map Work P.No-66
Aug	**20**	**Economics**: People as Resource. **History**: Nazism and the Rise of Hitler(Up to the years of depression) **History**: Up to Youth in Nazi Germany **Economics**: Poverty As a Challenge	Graph 2.1 Paste picture of Hitler and write about Nazi Propaganda.
Sep	**9**	**Revision for Half-Yearly Examination** **Discussion of Question Papers**	
Oct	**13**	**History**: Nazism and the Rise of Hitler **Economics**: Poverty As A Challenge. **Civics**: Working of Institution (Up to Two Houses of Parliament)	Draw the cartoon given in P.No87 and comment on it.
Nov	**18**	**Civics**: Working of Institution (Up to The President) **Civics**: Working of Institution. **History**: Forest Society and colonialism (Up to New Trends, New Employment and new services)	Show various causes of deforestation in form of collage.
Dec	**16**	**History**: Forest Society and Colonialism **Civics**: Democratic Rights (Up to Cultural and Educational Rights) **Economics**: Food Security In India	
Jan	**17**	**Civics**: Democratic Rights **Revision**	
Feb		**Revision**	

Subject: Geography

Month	No. of Working Days	Chapter name and content	Activity/Projects
Apr	**20**	L1. India-Size and location (Up to Size of India) India's Neighbours Revision of L1 & completion of Exercises Discussion of Internal Questions	Map Skill. Project Work-Himalayan Tsunami
May	**4**	Revision of Lesson 1.	
Jun	**15**	L2.Physical features of India (Up to Formation of plains, page 9) From Major Physiographic division till Himalayan Mountains, The Northern Plains	Map Skills
Jul	**21**	The Peninsular Plateau ,Indian Desert till end of the Ch. L3.Drainage (Up to drainage system in India, page 9-18) Himalayan River System	Draw the diagram of drainage patterns, Life of river. Map-River and lakes
Aug	**21**	Peninsular Rivers up to River Pollution L4. Climate (Up to Climatic Control page 27) Indian Monsoon, Onset of Monsoon L4. Climate(Contd.) Up to Onset of Monsoon & its withdrawal	Map Skills Graphical Study of rainfall and temperature
Sep	**10**	**Revision for Half-Yearly Examination** **Discussion of Question Papers**	
Oct	**17**	L4. Seasons of India(Up to Page 33) Advancing Monsoon up to Monsoon as a unifying bond. Revision & Completion of the Exercises Based on Lesson 4.	Prepare a project on the topic-Population Explosion.
Nov	**15**	L5. Natural Vegetation & Wild Life (Up to Ecosystem, Page 44) Types of vegetation (Up to Thorn Veg From Mountain forests, Mangrove Forest till wildlife, Page 51)	Collect any five medicinal plants leaf and write their values.
Dec	**16**	L6. Population (Up to Population Growth & Change) Up to Occupational Structure, Up to NPP2000 and Adolescents	Map Skills
Jan	**19**	**Revision**	
Feb		**Revision**	