

ARMY PUBLIC SCHOOL RANCHI
SYLLABUS SESSION: 2022-23

CLASS: X

SUBJECT	UNIT 1 (40 MARKS)	HALF YEARLY (80 MARKS)	UNIT 2 (40 MARKS)	ANNUAL (80 MARKS)		
ENGLISH LANG & LIT (184)	<p>A Letter to God Nelson Mandela Long Walk to Freedom Dust of Snow Fire and Ice A Tiger in the Zoo</p> <p>A Triumph of Surgery A Thief's Story</p> <p>Letter to the Editor</p> <p>Editing Omission Integrated Grammar Exercise Determiners</p>	<p>Two Stories about Flying From the Diary of Anne Frank</p> <p>How to Tell Wild Animals The Ball Poem Amanda</p> <p>The Midnight Visitor A Question of Trust Footprints Without Feet</p> <p>Letter of Complaint Letter for Placing Order</p> <p>Comprehension Passage.. Factual and Discursive</p> <p>Tenses Modals Subject Verb Concord Reporting: Commands and Requests and Statements</p>	<p>Glimpses of India Mijbil the Otter</p> <p>The Trees Fog</p> <p>The Making of a Scientist The Necklace</p> <p>Letter of Enquiry</p> <p>Use of Passive voice Reporting : Questions Gap filling : Prepositions,Articles, Conjunctions and Tenses</p>	<p>A Letter to God Nelson Mandela Two Stories about Flying From the Diary of Anne Frank Glimpses of India Mijbil the Otter</p> <p>Madam Rides the Bus The Sermon at Benares The Proposal</p> <p>Dust of Snow Fire and Ice A Tiger in the Zoo How to Tell Wild Animals The Ball Poem Amanda</p> <p>The Trees Fog The Tale of Custard the Dragon For Anne Gregory</p>	<p>A Triumph of Surgery The Thief's Story The Midnight Visitor A Question of Trust Footprints Without Feet The Making of a Scientist The Necklace Bholi The Book that Saved the Earth</p> <p>Comprehension Passage: Factual and Discursive</p> <p>Formal Letter: all four Analytical Paragraph</p> <p>Integrated Grammar Exercises Editing Omission</p>	
HINDI (085)	<p>अपठित गद्यांश व्याकरण -शब्द ,पद और पदबंध , मुहावरे पाठ्यपुस्तक स्पर्श - साखी (कबीर) , बड़े भाई साहब पूरक पुस्तक संचयन-- हरिहर काका (पहले आठ पन्ने) रचनात्मक लेखन ---अनुच्छेद और औपचारिक</p>	<p>अपठित गद्यांश व्याकरण -शब्द ,पद और पदबंध , मुहावरे, समास, रचना के आधार पर वाक्य रूपांतरण पठित काव्यांश, पठित गद्यांश पाठ्यपुस्तक स्पर्श -काव्य खंड -साखी (कबीर) पद (मीरा) मनुष्यता , पर्वत प्रदेश में पावस। गद्य खंड-बड़े भाई साहब ,डायरी का एक पन्ना, तताँरा- वामीरो कथा पूरा पुस्तक संचयन-- हरिहर काका (पूरा पाठ) रचनात्मक लेखन ---अनुच्छेद, औपचारिक पत्र, सूचना विज्ञापन और लघु कथा लेखन अथवा ईमेल लेखन</p>	<p>अपठित गद्यांश व्याकरण -वाक्य रूपांतरण, अनुच्छेद लेखन और पत्र लेखन गद्य खंड -तीसरी कसम के शिल्पकार शैलेंद्र, अब कहां दूसरों के दुख में दुखी होने वाले पूरक पुस्तक संचयन --सपनों के- से दिन ।</p>	<p>पूरा पाठ्यक्रम</p>		

<p style="text-align: center;">MATHEMATICS (041)</p>	<ul style="list-style-type: none"> • REAL NUMBERS • POLYNOMIALS • INTRODUCTION TO TRIGONOMETRY 	<ul style="list-style-type: none"> • REAL NUMBERS • POLYNOMIALS • INTRODUCTION TO TRIGONOMETRY • LINEAR EQUATION IN TWO VARIABLES <ul style="list-style-type: none"> • QUADRATIC EQUATIONS • ARITHMETIC PROGRESSION • CO-ORDINATE GEOMETRY 	<ul style="list-style-type: none"> • TRIANGLES • CIRCLES • AREA RELATED TO CIRCLE • PROBABILITY 	<ul style="list-style-type: none"> • REAL NUMBERS • POLYNOMIALS • INTRODUCTION TO TRIGONOMETRY • LINEAR EQUATION IN TWO VARIABLES • QUADRATIC EQUATIONS • ARITHMETIC PROGRESSION • CO-ORDINATE GEOMETRY • TRIANGLES • CIRCLES • AREA RELATED TO CIRCLE • PROBABILITY • HEIGHT & DISTANCE • SURFACE AREA AND VOLUME • STATISTICS 	
<p style="text-align: center;">SCIENCE (086)</p>	<p>Chem:-Ch-1- Chemical reactions and equations Bio:-Ch-6- Life processes (till transportation) Phy:-Ch-10- Light reflection and refraction (till mirror formula and magn)</p>	<p>1) Chemical Reactions and Equations 2) Acids, bases and salts 3) Life processes 4) Control and Coordination 5) Light: Reflection and Refraction 6) Human Eye : The colourful world 7) Our Environment</p>	<p>1) Metal and Non Metals 2) Carbon and its compounds 3) How do organisms reproduce? 4) Electricity</p>	<p>1) Chemical Reactions and Equations 2) Acids, bases and salts 3) Life processes 4) Control and Coordination 5) Light: Reflection and Refraction 6) Human Eye : The colourful world 7) Our Environment 8) Metal and Non Metals 9) Carbon and its compounds 10) How do organisms reproduce? 11) Electricity 12) Heredity and Evolution 13) Magnetic Effects of Electric Current</p>	<p><i>NOTE: Learners are assigned to read the below listed part of Unit V. They can be encouraged to prepare a brief write up on any one concept of this Unit in their Portfolio. This may be an assessment for Internal Assessment and credit may be given (Periodic assessment/Portfolio). This portion of the Unit is not to be assessed in the year-end examination.</i></p> <p><i>Chapter – 16 Management of natural resources: Conservation and judicious use of natural resources. Forest and wild life; Coal and Petroleum conservation. Examples of people's participation for conservation of natural resources. Big dams: advantages and limitations; alternatives, if any. Water harvesting. Sustainability of natural resources</i></p>

SOCIAL SCIENCE (087)	<p>Ch-1 The Rise of Nationalism in Europe</p> <p>Ch-1 Resources and Development</p> <p>Ch-1 Power Sharing Ch-2 Federalism</p> <p>Ch-1 Development</p>	<p>Ch-1 The Rise of Nationalism in Europe Ch-2 Nationalism in India Ch-3 The Making of Global World</p> <p>Ch-1 Resources and Development Ch-2 Forest and Wildlife Ch-3 Water Resources Ch-4 Agriculture</p> <p>Ch-1 Power Sharing Ch-2 Federalism Ch-4 Gender, Religion and Caste</p> <p>Ch-1 Development Ch-2 Sectors of The Indian Economy</p>	<p>Ch-4 The Age of Industrialization</p> <p>Ch-5 Mineral and Energy Resources</p> <p>Ch-6 Political Parties</p> <p>Ch-3 Money and Credit</p>	<p>Ch-1 The Rise of Nationalism in Europe Ch-2 Nationalism in India Ch-3 The Making of a Global World Ch-4 The Age of Industrialisation Ch-5 Print Culture and the Modern World</p> <p>Ch-1 Resources and Development Ch-2 Forest and Wildlife Ch-3 Water Resources Ch-4 Agriculture Ch-5 Mineral and Energy Resources Ch-6 Manufacturing Industries Ch-7 Life Lines of National Economy</p> <p>Ch-1 Power Sharing Ch-2 Federalism Ch-4 Gender, Religion and Caste Ch-6 Political Parties Ch-7 Outcomes of Democracy</p> <p>Ch-1 Development Ch-2 Sectors of The Indian Economy Ch-3 Money and Credit Ch-4 Globalization and The Indian Economy</p>
INFORMATION TECHNOLOGY (402)	<p>Employability Skills Unit 1: Communication Skills-II Unit 2: Self-Management Skills-II Ssbject Specific Skills Unit 1: Digital Documentation (Advanced)</p>	<p>Employability Skills Unit 1: Communication Skills-II Unit 2: Self-Management Skills-II Unit 3: ICT Skills-II Unit 4: Entrepreneurial Skills-II Ssbject Specific Skills Unit 2: Electronic Spreadsheet (Advanced)</p>	<p>Employability Skills Unit 5: Green Skills-II Subject Specific Skills Unit 3: Database Management System Unit 4: Web Applications and Security</p>	<p>Employability Skills Unit 1: Communication Skills-II Unit 2: Self-Management Skills-II Unit 3: ICT Skills-II Unit 4: Entrepreneurial Skills-II Unit 5: Green Skills-II Ssbject Specific Skills Unit 1: Digital Documentation (Advanced) Unit 2: Electronic Spreadsheet (Advanced) Unit 3: Database Management System Unit 4: Web Applications and Security</p>

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CLASS: IX

SUBJECT	UNIT 1 (40 MARKS)	HALF YEARLY (80 MARKS)	UNIT 2 (40 MARKS)	ANNUAL (80 MARKS)		
ENGLISH LANG & LIT (184)	<p>THE FUN THEY HAD TENSES DIARY ENTRY THE SOUND OF MUSIC MODALS THE ROAD NOT TAKEN WIND THE LOST CHILD THE ADVENTURES OF TOTO</p> <p>TENSES MODALS DIARY ENTRY</p>	<p>THE LITTLE GIRL A TRULY BEAUTIFUL MIND THE SNAKE AND THE MIRROR WIND THE LAKE ISLE OF INNISFREE RAIN ON THE ROOF ISWARAN THE STORYTELLER IN THE KINGDOM OF FOOLS. THE FUN THEY HAD THE SOUND OF MUSIC THE ROAD NOT TAKEN THE LAKE ISLE OF INNISFREE THE LOST CHILD THE ADVENTURES OF TOTO</p> <p>SUBJECT VERB AGREEMENT REPORTED SPEECH TENSES MODALS</p> <p>DESCRIPTIVE PARAGRAPH(PERSON, EVENT) DIARY ENTRY</p>	<p>MY CHILDHOOD REACH FOR THE TOP THE HAPPY PRINCE A LEGEND OF NORTHLAND</p> <p>DETERMINERS DIARY ENTRY</p>	<p>KATHMANDU IF I WERE YOU(PLAY) NO MEN ARE FOREIGN, ON KILLING A TREE A SLUMBER DID MY SPIRIT SEAL THE LAST LEAF A HOUSE IS NOT A HOME THE BEGGAR THE FUN THEY HAD THE SOUND OF MUSIC THE ROAD NOT TAKEN WIND THE LAKE ISLE OF INNISFREE THE LOST CHILD THE ADVENTURES OF TOTO THE LITTLE GIRL A TRULY BEAUTIFUL MIND THE SNAKE AND THE MIRROR RAIN ON THE ROOF</p>	<p>ISWARAN THE STORYTELLER IN THE KINGDOM OF FOOLS. MY CHILDHOOD REACH FOR THE TOP THE HAPPY PRINCE A LEGEND OF NORTHLAND THE LAST LEAF</p> <p>SUBJECT VERB AGREEMENT DETERMINERS REPORTEDSPEECH TENSES MODALS DETERMINERS</p>	<p>STORY WRITING (BASED ON CLUES AND SITUATION) DESCRIPTIVE PARAGRAPH(PERSON, EVENT)</p>
HINDI (085)	<p>अपठित गद्यांश</p> <p>व्याकरण - शब्द और पद , अनुस्वार - अनुनासिक , उपसर्ग और प्रत्यय</p> <p>पाठ्यपुस्तक - स्पर्श - काव्य खंड - रैदास के पद , दोहे , गद्य खंड - दुःख का अधिकार , एवरेस्ट : मेरी शिखर यात्रा</p> <p>पाठ्यपुस्तक - संचयन - गिल्लू</p> <p>रचनात्मक लेखन - अनुच्छेद लेखन , अनौपचारिक पत्र</p>	<p>अपठित गद्यांश ,</p> <p>व्याकरण - शब्द और पद , अनुस्वार - अनुनासिक , उपसर्ग और प्रत्यय , स्वर संधि , विराम चिह्न , अर्थ की दृष्टि से वाक्य भेद</p> <p>पठित गद्यांश और पठित पद्यांश पाठ्यपुस्तक - स्पर्श - काव्य खंड - रैदास के पद , दोहे , गीत- अगीत गद्य खंड - दुःख का अधिकार , एवरेस्ट : मेरी शिखर यात्रा , तुम कब जाओगे पाठ्यपुस्तक - संचयन - गिल्लू , स्मृति रचनात्मक लेखन - अनुच्छेद लेखन , अनौपचारिक पत्र , चित्र वर्णन , संवाद लेखन</p>	<p>अपठित गद्यांश ,</p> <p>व्याकरण - शब्द और पद , अनुस्वार - अनुनासिक , उपसर्ग और प्रत्यय स्वर संधि , विराम चिह्न , अर्थ की दृष्टि से वाक्य भेद</p> <p>पाठ्यपुस्तक - स्पर्श - काव्य खंड - अग्नि पथ , नए इलाके में गद्य खंड - वैज्ञानिक चेतना के वाहक पाठ्यपुस्तक - संचयन - कल्लू कुम्हार की उनाकोटी रचनात्मक लेखन - अनुच्छेद लेखन , अनौपचारिक पत्र , चित्र वर्णन , संवाद लेखन</p>	<p>अपठित गद्यांश ,</p> <p>व्याकरण - शब्द और पद , अनुस्वार - अनुनासिक , उपसर्ग और प्रत्यय स्वर संधि , विराम चिह्न , अर्थ की दृष्टि से वाक्य भेद</p> <p>पठित गद्यांश और पठित पद्यांश पाठ्यपुस्तक - स्पर्श - काव्य खंड - रैदास के पद , दोहे , गीत- अगीत , अग्नि पथ , नए इलाके में , खुशबू रचते हैं हाथ गद्य खंड - दुःख का अधिकार , एवरेस्ट : मेरी शिखर यात्रा , तुम कब जाओगे , वैज्ञानिक चेतना के वाहक , शुकृतारे के समान</p> <p>पाठ्यपुस्तक - संचयन - गिल्लू , स्मृति , कल्लू कुम्हार की उनाकोटी , मेरा छोटा सा निजी पुस्तकालय</p> <p>रचनात्मक लेखन - अनुच्छेद लेखन , अनौपचारिक पत्र , चित्र वर्णन , संवाद लेखन</p>		

MATHEMATICS (041)	Ch-1 Number Systems Ch-2 Polynomials Ch-3 Coordinate Geometry Ch-4 Linear Equations In Two Variables	Ch-1 Number Systems Ch-2 Polynomials Ch-3 Coordinate Geometry Ch-4 Linear Equations In Two Variables Ch-5 Introduction To Euclid Geometry Ch-6 Lines And Angles Ch-12 Heron's Formula Ch-15 Probability	Ch-7 Triangles Ch-8 Quadrilaterals Ch-14 Surface Areas And Volumes	Ch-1 Number Systems Ch-2 Polynomials Ch-3 Coordinate Geometry Ch-4 Linear Equations In Two Variables Ch-6 Lines And Angles Ch-7 Triangles Ch-8 Quadrilaterals Ch-10 Circles Ch-11 Constructions Ch-12 Heron's Formula Ch-13 Surface Areas And Volumes Ch-14 Statistics Ch-15 Probability		
SUBJECT	UNIT 1 (40 MARKS)	HALF YEARLY (80 MARKS)	UNIT 2 (40 MARKS)	ANNUAL (80 MARKS)		
SCIENCE (086)	<p>PHYSICS Chapter-8 Motion Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs .</p> <p>CHEMISTRY UT1 Unit I :Matter-Nature and Behaviour Ch. 1: Matter in our surrounding *Definition of matter *Solid, liquid and gas; characteristics - shape, volume, density</p> <p>BIOLOGY Unit II: Organization in the Living World Ch. 5 : Fundamental Unit of life * Cell as a basic unit of life *Prokaryotic and eukaryotic cells *Unicellular and multicellular organisms * Cell membrane and cell wall *Nucleus, chromosomes - basic structure, number.</p>	<p>PHYSICS Ch-8 Motion(Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs Ch-9 Force and Laws of motion Force and Motion, Newton's Laws of Motion, Action and Reaction force, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration.</p> <p>CHEMISTRY Unit I :Matter-Nature and Behaviour Ch. 1: Matter in our surrounding *Definition of matter *Solid, liquid and gas; characteristics - shape, volume, density *Change of state-melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation,</p> <p>BIOLOGY Unit II: Organization in the Living World Ch. 5: Fundamental Unit of life *Cell as a basic unit of life; *Prokaryotic and eukaryotic cells *Unicellular and multicellular organisms *Cell membrane and cell wall *Cell organelles and cell inclusions :Chloroplast, mitochondria, vacuoles, endoplasmic</p>	<p>PHYSICS Ch-10 Gravitation Floatation: Thrust and Pressure. Archimedes' Principle; Buoyancy. Ch-11 Work and Energy Work, Energy and Power: Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy (excluding commercial unit of Energy).</p> <p>CHEMISTRY Ch. 3: Atoms and molecules *Particle nature and their basic units *Atoms and molecules *Law of Chemical Combination *Chemical formula of common compounds *Atomic and molecular masses.</p> <p>BIOLOGY Unit II: Organization in the Living World Ch. 6 :Tissues *Structure and functions of animal tissues</p>	<p>PHYSICS CH-8 Motion Distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion. Ch-9 Force and Laws of motion Newton's Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration. Ch-10 Gravitation. Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall. Buoyancy. Ch-11 (Work and Energy) Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy (excluding commercial unit of Energy).</p>	<p>CHEMISTRY Ch. 1: Matter in our surrounding *Definition of matter *Solid, liquid and gas; characteristics - shape, volume, density *Change of state-melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation. Ch. 2: Is matter around us pure *Elements, compounds and mixtures. *Heterogeneous and homogenous mixtures *Colloids and suspensions. *Physical and chemical changes Ch. 3: Atoms and molecules *Particle nature and their basic units *Atoms and molecules *Law of Chemical Combination *Chemical formula of common compounds *Atomic and molecular masses. Ch. 4: Structure of atoms *Electrons, protons and neutrons *Valency *Atomic Number and Mass Number *Isotopes and Isobars.</p>	<p>BIOLOGY Unit II: Organization in the Living World Ch. 5: Fundamental Unit of life *Cell as a basic unit of life; *Prokaryotic and eukaryotic cells *Unicellular and multicellular organisms *Cell membrane and cell wall *Cell organelles and cell inclusions :Chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus *Nucleus, chromosomes - basic structure, number. Ch. 6 :Tissues *Structure and functions of Plant tissues *Structure and functions of Animal tissues Unit IV: Food Production Ch. 15: Improvement in food resources *Plant and animal breeding and selection for quality improvement and management *Use of fertilizers and manures Protection from pests and diseases *Organic farming.</p>

<p style="text-align: center;">SOCIAL SCIENCE (087)</p>	<p>HISTORY-GEOGRAPHY-CIVICS-ECONOMICS</p> <p>Ch-1 The French Revolution</p> <p>Ch-1 India</p> <p>Ch-1 What is Democracy, why Democracy</p> <p>Ch-1 The story of village Palampur</p>	<p>HISTORY-GEOGRAPHY-CIVICS-ECONOMICS</p> <p>Ch-1 The French Revolution</p> <p>Ch-2 Socialism in Europe and the Russian Revolution</p> <p>Ch-3 Nazism and the rise of Hitler</p> <p>Ch-1 India</p> <p>Ch-2 Physical features of India</p> <p>Ch-3 Drainage</p> <p>Ch-1 What is Democracy, why Democracy</p> <p>Ch-2 Constitutional design</p> <p>Ch-3 Electoral politics</p> <p>Ch-1 The story of village Palampur</p> <p>Ch-2 People as resource</p>	<p>HISTORY-GEOGRAPHY-CIVICS-ECONOMICS</p> <p>Ch-4 Forest society and colonialism</p> <p>Ch-4 Climate</p> <p>Ch-4 Working of institutions</p> <p>Ch-3 Poverty as a challenge</p>	<p>HISTORY-GEOGRAPHY-CIVICS-ECONOMICS</p> <p>Ch-1 The French Revolution</p> <p>Ch-2 Socialism in Europe and the Russian Revolution</p> <p>Ch-3 Nazism and the rise of Hitler</p> <p>Ch-4 Forest society and colonialism</p> <p>Ch-1 India</p> <p>Ch-2 Physical features of India</p> <p>Ch-3 Drainage</p> <p>Ch-4 Climate</p> <p>Ch-5 Natural vegetation and wildlife</p> <p>Ch-6 Population</p> <p>Ch-1 What is Democracy, why Democracy</p> <p>Ch-2 Constitutional design</p> <p>Ch-3 Electoral politics</p> <p>Ch-4 Working of institutions</p> <p>Ch-5 Democratic Rights.</p> <p>Ch-1 The story of village Palampur</p> <p>Ch-2 People as resource</p> <p>Ch-3 Poverty as a challenge</p> <p>Ch-4 Food Security in India</p>
<p style="text-align: center;">INFORMATION TECHNOLOGY (402)</p>	<p>PART-A: EMPLOYABILITY SKILL</p> <p>Unit 1 - Communications Skills</p> <p>Unit 2 - Self Management Skills</p> <p>PART B: SUBJECT SKILLS</p> <p>Unit 1 - Introduction to IT – ITeS Industry</p>	<p>PART-A: EMPLOYABILITY SKILL</p> <p>Unit 1 - Communications Skills Unit 2 - Self Management Skills Unit 3 - ICT Skills</p> <p>Unit 4 - Entrepreneurial skills</p> <p>PART B: SUBJECT SKILLS</p> <p>Unit 3- Digital Documentation</p>	<p>PART A: EMPLOYABILITY SKILL</p> <p>Unit 5 - Green Skills</p> <p>PART B: SUBJECT SKILLS</p> <p>Unit 2 - Data Entry and Keyboarding Skills</p> <p>Unit 4 - Electronic Spreadsheet</p>	<p>PART-A: EMPLOYABILITY SKILL</p> <p>Unit 1 - Communications Skills Unit 2 - Self Management Skills Unit 3 - ICT Skills</p> <p>Unit 4 - Entrepreneurial skills Unit 5 - Green Skills</p> <p>PART – B: SUBJECT SKILLS</p> <p>Unit 1 - Introduction to IT – ITeS Industry Unit 2 - Data Entry and Keyboarding Skills Unit 3 - Digital Documentation</p> <p>Unit 4 - Electronic Spreadsheet Unit 5 - Digital Presentation</p>