

Grade IX Curriculum

**DLF QEC INNOVATIVE SCHOOL
RIDGE VALLEY**

**Annual Curriculum
2023-24**

CONTENT

- English
- Science
- Home Science
- Mathematics
- Social Studies
- Hindi
- Spanish
- German
- Painting
- Hindustani Music Vocal
- Artificial Intelligence
- Computer Applications

ENGLISH

Month	TOPICS /CHAPTERS TO BE COVERED
April	Beehive: The Fun They Had, The Road Not Taken (Poem), The Sound of Music (Prose) Integrated Grammar Exercises, Writing Skill: Descriptive Paragraph - Person
May	Beehive: Wind (Poem), The Little Girl (Prose), Writing Skill: Story Writing, Integrated Grammar, Moments: The Lost Child
July	Beehive: Rain on the Roof (Poem), A Truly Beautiful Mind (Prose), The Lake Isle of Innisfree (Poem), Writing Skill: Article Writing, Descriptive Paragraph - Person, Moments: Iswaran the Storyteller, The Adventures of Toto
August	Beehive: The Snake and the Mirror (Prose), A Legend of the Northland (Poem), My Childhood (Prose), Moments: In the Kingdom of Fools, Integrated Grammar
September	Beehive: No Men Are Foreign (Poem), Moments: The Happy Prince, Writing Skill: Descriptive Paragraph - Place, Integrated Grammar
October	Beehive: Packing (Prose), The Duck and the Kangaroo (Poem), Writing Skill: Diary Entry, Integrated Grammar
November	Reach for the Top (Prose), Moments: Weathering the Storm in Ersama, Writing Skill: Descriptive Paragraph - Place, Integrated Grammar
December	Beehive: On Killing a Tree (Poem), The Bond of Love (Prose), The Snake Trying (Poem), Kathmandu (Prose) Writing Skill: Descriptive Paragraph - Place and Event, Integrated Grammar, Moments: The Last Leaf
January	Moments: The Accidental Tourist, The Beggar; Grammar: Revision of all concepts taught, Writing Skills: Descriptive Paragraph - Person, Place, Event (Revision)
February	Recapitulation
March	Final Exam

SCIENCE

Month	TOPICS /CHAPTERS TO BE COVERED
April	Cell- Basic Unit of Life, Motion, Matter in our surroundings
May	Cell- Basic Unit of Life, Tissues, Organs, Organ systems, Organism, Motion, Matter in our surroundings
July	Tissues, Organs, Organ systems, Organism, Forces and laws of motion, Is matter around us pure
August	Food Production, Forces and laws of motion, Is matter around us pure
September	Food Production, Gravitation, Is matter around us pure
October	Food Production, Gravitation, Atoms and Molecules
November	Project on Natural Resources, Work and energy, Atoms and Molecules, Structure of an atom
December	Project on Natural Resources, Work and energy, Structure of an atom
January	Art Integrated Project, Sounds
February	Recapitulation
March	Final Exam

RIDGE VALLEY

NURTURING EXCELLENCE

HOME SCIENCE

Month	TOPICS /CHAPTERS TO BE COVERED
April	Ch 1 Concept and Scope of Home Science Education and recent Trends Ch 3 Family and Values
May	Ch 2 Human Growth and development
July	Ch 4 Food Nutrition and Health
August	Revision
September	Mid Term Exam
October	Ch 5 Fibre and Fabric
November	Ch 6 Resource management
December	Ch 7 Measures of Safety and Management of Emergencies
January	Revision
February	Practice papers
March	Final Exam

RIDGE VALLEY
NURTURING EXCELLENCE

MATHEMATICS

Month	TOPICS /CHAPTERS TO BE COVERED
April	NUMBER SYSTEMS , POLYNOMIALS
May	POLYNOMIALS (CONTD.) COORDINATE GEOMETRY, LINEAR EQUATIONS IN TWO VARIABLES
July	INTRODUCTIONS TO EUCLID'S GEOMETRY, LINES AND ANGLES,
August	TRIANGLES, STATISTICS
September	STATISTICS (CONTD.)
October	QUADRILATERALS
November	CIRCLES, HERON'S FORMULA
December	SURFACE AREA AND VOLUMES
January	REVISION
February	REVISION
March	FINAL TERM

RIDGE VALLEY

NURTURING EXCELLENCE

SOCIAL STUDIES

Month	TOPICS /CHAPTERS TO BE COVERED
April	History/Civics The French Revolution What is Democracy? Why Democracy? Economics: Story of the Village Palampur Geography: India ,Size and Location
May	History/Civics 1.The French Revolution 2.Constitutional Design Economics: Story of the Village Palampur Geography: Physical Features of India
July	History/Civics 1.Nazism and the Rise of Hitler 2.Electoral Politics Economics: 2. People As Resource Geography: 3. Climate
August	History/Civics1.Nazism and the Rise of Hitler 2.Electoral Politics Economics: 2. People As Resource Geography: 4. Drainage (Map Only)
September	History/Civics 1.Socialism in Europe and the Russian Revolution. 2.Working of Institutions Economics: 3. Poverty As a Challenge Geography; Revision
October	History/Civics 1.Socialism in Europe and the Russian Revolution. 2.Working of Institutions Economics: 1. Poverty As a Challenge Geography: 2. Natural Vegetation and Wild Life
November	History/Civics 1-.Forest Society and Colonialism 2.Democratic Rights Economics: 4. Food Security in India Geography:

	6. Population
December	History/Civics 1--Forest Society and Colonialism 2--Democratic Rights Economics: 4- Food Security in India Geography: Revision
January	Revision
February	Revision and Marks
March	FINAL TERM

RIDGE VALLEY
NURTURING EXCELLENCE

HINDI

Month	TOPICS /CHAPTERS TO BE COVERED
April	दुख का अधिकार , अनुस्वार, अनुस्वार , अनुनासिक, शब्द और पद, विराम चिह्न,
May	गिल्लू, रहीम के दोहे, रैदास के पद
July	एवरेस्ट, मेरी शिखर यात्रा ,उपसर्ग -प्रत्यय, स्मृति, स्वर संधि
August	वैज्ञानिक चेतना के वाहक चंद्र शेखर वेकट रामन, अपठित गदयांश , अर्थ की दृष्टि से वाक्य भेद , अग्नि पथ, अनुच्छेद
September	तुम कब जाओगे -अतिथि,संवाद लेखन , पत्र लेखन (अनौपचारिक), गीत-अगीत, अनुच्छेद लेखन
October	कौचड़ का काव्य, परियोजना कार्य, कल्लू कुम्हार की उनाकोटी, कौशल गातोंबोध
November	शुक्र तारे के समान, मेरा छोटा सा निजी पुस्तकालय, लेखन कौशल गतिविधि
December	नए इलाके में (चित्र वर्णन), खुशबू रचते हैं हाथ
January	पुनरावृत्ति
February	पुनरावृत्ति
March	

SPANISH

Month	TOPICS /CHAPTERS TO BE COVERED
April	Unidad 1-Nosotros Personal pronouns: yo, tú, usted, él, ella, nosotros/as, vosotros/as, ustedes, ellos/as • Present tense of the verbs such as: Ser, Llamarse, Dedicarse, Vivir, Trabajar... • Interrogative pronouns: cómo, cuándo, qué, cuánto, cuál, quién, de dónde... • Regular verbs: -ar, -er, and -ir ending verbs
May	Unidad 2- Quiero aprender español Uses of Ser and Estar: ser + adjetivos de carácter, estar + adjetivos de estado físico o anímico • Introduction to the idea of comparison (equality/superiority/inferiority) • Uses of Tener and Hacer • Introduction to present tense uses of some of the irregular (stem-changing) verbs: Creer, Entender, Preferir, Querer, Conocer, Saber, Pensar, Hacer, Poner, Traer, Ir, Decir, Entender, Venir, Seguir...
July	Unidad 3- Donde esta Santiago
August	Unidad4- Cual prefieres? Tener + ganas de + infinitivo • Demonstrative adjective and pronoun: este, ese, aquel... • Negation • Possessive adjectives: mi(s), tu(s), su(s)...
September	Unidad 5- Tus amigos son mis amigos Gender/Number/Article (definite and indefinite) – concordance of article – noun and adjective • Concordance: cuánto/-a/-os/-as • Ordinal and cardinal numbers • Prepositions used with expressions of time and adverbs of place • Gerund: Estar + gerundio
October	Personal pronouns (with or without prepositions) • Simple affirmative commands (singular) along with the use of direct and indirect object pronouns • Present tense of Gustar and such similar verbs (for example, Encantar, Interesar, Importar, etc.) • Contrast: Hay (descripción)/Estar (localización con usos de preposiciones y locuciones de lugar para expresar posición, cercanía, lejanía)
November	Unidad 7- A comer Contrast: Hay (descripción)/Estar (localización con usos de preposiciones y locuciones de lugar para expresar posición, cercanía, lejanía)
December	Unidad 8- El barrio Ideal Uses of Ir a + infinitivo, Empezar a + infinitivo, Terminar de + infinitivo, Antes de+ infinitivo, Después de +infinitivo
January	Unidad 9- Sabes Conducir Indefinite pronouns: unos, bastantes, algunos, alguien, nadie • Introduction to past indefinite tense (pretérito indefinido)
February	Culture / Civilization /Literature:
March	Revision/Exam

GERMAN

Month	TOPICS /CHAPTERS TO BE COVERED
April	Lektion 1- Allein zu Hause Subordinate clause “wenn” “zu” + Infinitive ,“brauchen” +...+ “zu”+Infinitive, Wortschatz – Partyorganisation, Schreiben – E-mail und Dialog
May	Lektion 1- Allein zu Hause :Preposition of time “während” + Genitive, Wortschatz – Flashmob, Schreiben – E-mail und Dialog
July	Lektion 2-Wir kaufen nichts :Subordinate clause “um...zu”, Subordinate clause “damit”, Wortschatz – Kaufverhalten , Reise ohne Geld, Schreiben – E-mail und Dialog
August	Lektion 3- Das würde ich nie tun <ul style="list-style-type: none"> • Feste Preposition • Subjunctive II: “würde” + Infinitive • Articles and Nouns in Genitive • Wortschatz -Gefühle und Partnerschaft
September	Revision and Exams
October	Lektion 4 – Hamburg, wir kommen <ul style="list-style-type: none"> • Subjunctive II: “sollen” • Wortschatz – Stadtbesichtigung und Sehenswuerdigkeiten • Schreiben – E-mail und Dialog
November	Lektion 4 – Hamburg, wir kommen <ul style="list-style-type: none"> • Subordinate clauses of time “während” and “bevor” • Wortschatz – Klassenfahrt • Schreiben – E-mail und Dialog
December	Lektion 5- Ende gut, Alles gut <ul style="list-style-type: none"> • Causal preposition “wegen” + Genitive • Relative clause: relative pronouns in Nominative, Accusative and Dative. • Wortschatz – Konflikte , Mensch und Tier • Schreiben – E-mail und Dialog
January	Revision
February	Revision and exams
March	

PAINTING

Month	TOPICS /CHAPTERS TO BE COVERED
April	Fundamentals of Painting (The Elements of Art)
May	Fundamentals of Painting (Principle of Art)
July	Understanding and Appropriate use of tools
August	Understanding and Appropriate use of Painting Materials
September	Sketching, Still life and Painting Composition
October	Story of Indian covering, sculpture & architecture glimpses.
November	Compositional arrangement with due emphasis on the subject-matter
December	Revision
January	Revision
February	
March	

RIDGE VALLEY

NURTURING EXCELLENCE

HINDUSTANI MUSIC

VOCAL

Month	TOPICS /CHAPTERS TO BE COVERED
April	<ul style="list-style-type: none"> • Taal Tilwada- Ekgun,dugun, Tigun and Chogun • Definition of Alaap and Taan • Raag Khamaj Description
May	<ul style="list-style-type: none"> • Raag Khamaj Notation with Bandish • Revision of Taal Tilwada • Start preparing practical file • Definition of Meend and kan
July	<ul style="list-style-type: none"> • Taal Rupak Ekgun,Dugun ,Tigun and Chogun • Description of Raag Bhopali • Revision of Tilwada Taal and Raag Khamaj • Devotional Song
August	<ul style="list-style-type: none"> • Basic Knowledge of the structure and tuning of Tanpura. • Definition of Dhrupad, Dhamar and Tarana. • Notation and bandish of Raag Bhopali
September	Revision and Exams
October	<ul style="list-style-type: none"> • Taal Rupak and Taal Chautaal with ekgun, dugun, tigun and chogun • Devotional song • Life sketch and contribution to music of Tansen • Revision of Raag Bhopali and Khamaj
November	<ul style="list-style-type: none"> • Raag Vrindavani Description • Bandish with Notation. • Contribution of Omkar Nath Thakur
December	<ul style="list-style-type: none"> • Contribution in music of Sadarang and Fayaz Ali Khan. • Revision of Raag Vrindavani, Bhopali, and Khamaj • Revision of Taal Tilwada, Rupak and Chautala
January	Revision
February	Revision and exams
March	

ARTIFICIAL INTELLIGENCE

Month	TOPICS /CHAPTERS TO BE COVERED
April	Introduction to Artificial Intelligence (AI)
May	ICT Skills-I AI Project Cycle
July	AI Project Cycle Self-Management Skills-I
August	Neural Network Entrepreneurial Skills-I
September	Communication Skills-I Introduction to Python
October	Green Skills-I Introduction to Python
November	Introduction to Python
December	Introduction to Python
January	Revision
February	Revision and Marks
March	

RIDGE VALLEY
NURTURING EXCELLENCE

COMPUTER APPLICATION

Month	TOPICS /CHAPTERS TO BE COVERED
April	Basics of Information Technology : Computer Systems: characteristics of a computer, components of a computer system – CPU, memory, storage devices and I/O devices • Memory: primary (RAM and ROM) and secondary memory • Storage devices: hard disk, CD ROM, DVD, pen/flash drive, memory stick • I/O devices: keyboard, mouse, monitor, printer, scanner, web camera .
May	Spreadsheet: Working with a spreadsheet Use simple statistical functions Types of software: system software (operating system, device drivers), application software including mobile applications)
July	Presentation tool Edit and format a slide Insert pictures from files, create animations, add sound effects, and rehearse timings.
August	Computer networking: Type of networks: PAN, LAN, MAN, WAN, wired/wireless communication, Wi-Fi, Bluetooth, cloud computers (Private/public) Multimedia: images, audio, video, animation
September	Introduction to a word processor Edit and format text Insert pictures, change the page setting, add bullets and numbering, borders and shading.
October	insert tables – insert/delete rows and columns, merge and split cells Safely browsing the web and using social networks.
November	Safely browsing the web and using social networks
December	Malware
January	Revision
February	Revision and Marks
March	