

Grade XI Curriculum

**DLF QEC INNOVATIVE SCHOOL
RIDGE VALLEY**

**Annual Curriculum
2023-24**

CONTENT

- English
- Physics
- Chemistry
- Mathematics
- Biology
- Computer science
- Economics
- Accountancy
- Business Studies
- Political science
- History
- Sociology
- Psychology
- Painting
- Physical Education
- Home Science
- Hindustani Music

ENGLISH

Month	TOPICS /CHAPTERS TO BE COVERED
April	The Portrait of a Lady (Prose) A Photograph (Poem) Advertisements, Posters
May	The Summer of the Beautiful White Horse (Prose); Tenses; Sentence Rearrangement
July	Notice Writing The Address (Prose) "We're Not Afraid to Die... if we can be together"
August	Discovering Tut: the Saga Continues Note Making; Summary Writing Error Correction
September	The Laburnum Top (Poem) The Voice of the Rain (Poem)
October	Childhood (Poem); Report Writing
November	Mother's Day (Play) Debate
December	The Adventure The Tale of Melon City
January	Birth (Prose); Father to Son
February	Silk Road (Prose) Speech Writing
March	Revision, Final Term Examination

PHYSICS

Month	TOPICS /CHAPTERS TO BE COVERED
April	Units and measurement, Motion in a straight line
May	Vectors, Motion in a plane
July	Laws of motion
August	Work and energy
September	System of particles and rotational motion
October	Gravitation, Mechanical properties of solids
November	Mechanical properties of fluids, Thermal properties of matter
December	Thermodynamics, Kinetic theory of gases
January	Waves and oscillations
February	Revision
March	Final Term Examination

RIDGE VALLEY

NURTURING EXCELLENCE

CHEMISTRY

Month	TOPICS /CHAPTERS TO BE COVERED
April	Some basic concepts of Chemistry
May	Atomic Structure
July	Classification of elements and Periodicity in properties
August	Chemical bonding and Molecular structure
September	Thermodynamics
October	Equilibrium
November	Organic Chemistry- Basic principles and techniques
December	Hydrocarbons
January	Revision
February	Revision
March	Final Term Examination

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NURTURING EXCELLENCE

MATHEMATICS

Month	TOPICS /CHAPTERS TO BE COVERED
April	TRIGONOMETRIC FUNCTIONS, SETS
May	RELATIONS AND FUNCTIONS, COMPLEX NUMBERS AND QUADRATIC EQUATIONS, LINEAR INEQUALITIES,
July	PERMUTATION AND COMBINATIONS, BINOMIAL THEOREM
August	SEQUENCE AND SERIES
September	INTRODUCTION TO THREE DIMENSIONAL GEOMETRY
October	STRAIGHT LINES
November	CONIC SECTIONS , LIMITS AND DERIVATIVES,
December	LIMITS AND DERIVATIVES (CONTD.), STATISTICS
January	PROBABILITY, REVISION
February	Revision
March	Final Term Examination

RIDGE VALLEY
NURTURING EXCELLENCE

BIOLOGY

Month	TOPICS /CHAPTERS TO BE COVERED
April	The Living World, Biological Classification, Plant Kingdom, Animal Kingdom
May	Animal Kingdom, Morphology of Flowering Plants, Anatomy of Flowering Plants
July	Structural Organisation in animals, Cell: The Unit of Life, Biomolecules
August	Biomolecules, Cell Cycle and Cell Division
September	Photosynthesis in Higher Plants
October	Respiration in Plants, Plant Growth and Development
November	Breathing and Exchange of Gases, Body Fluids and Circulation
December	Body Fluids and Circulation, Excretory Products and their Elimination
January	Locomotion and Movement, Neural Control and Coordination
February	Chemical Coordination and Integration
March	Final Term Examination

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NURTURING EXCELLENCE

COMPUTER SCIENCE

Month	TOPICS /CHAPTERS TO BE COVERED
April	Basic computer organisation , Number System Familiarization with the basics of Python programming Operators Conditional statements
May	Types of software Operating System(OS) Expressions, statement and input/output Iterative Statement
July	Boolean logic Strings Lists
August	Lists Tuples
September	Dictionary Project work
October	Introduction to Python Modules Project Work
November	Digital Footprints Digital Society and Netizen: Data Protection Project Work
December	Cyber safety E-waste management Project Work
January	Information Technology Act (IT Act) Technology and society Project Work
February	Project Work
March	Revision and Final Term Examination

ECONOMICS

Month	TOPICS /CHAPTERS TO BE COVERED
April	Introduction statistics - Collection of Data Census and Sample method
May	Micro - Introduction Consumer's equilibrium and demand
July	Consumer's equilibrium and demand Organisation of Data
August	Presentation of Data Measures of Central tendency- Arithmetic Mean
September	Producers behaviour - Supply, Elasticity of Supply Determination of price under perfect competition
October	Determination of price under perfect competition Producers behaviour - Production function,
November	Producers behaviour - Cost, Revenue, Producer's Equilibrium Measures of Central tendency- Arithmetic Mean, Median, Mode
December	Correlation Index Number
January	Forms of Market
February	Revision
March	Final Term Examination

ACCOUNTANCY

Month	TOPICS /CHAPTERS TO BE COVERED
April	Meaning, terminology of accountancy and principle of accountancy
May	Accounting equation
July	Revision with the terms, accounting equation, introduction of Rules and Journal entries
August	Journal entries with ledger accounts
September	Cash book double column Purchase and sales book
October	Financial statement I
November	Financial statement II
December	Depreciation ,Deprecation with provision and reserve
January	Rectification of errors
February	Revision
March	Final Term Examination

BUSINESS STUDIES

Month	TOPICS /CHAPTERS TO BE COVERED
April	Nature of Business
May	Forms of organisation
July	Forms of organisation
August	Types of organisation Business service Social responsibility
September	Emerging mode
October	Sources of finance
November	Small business and micro enterprises
December	Internal trade
January	International business
February	Revision
March	Final Term Examination

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NURTURING EXCELLENCE

POLITICAL SCIENCE

Month	TOPICS /CHAPTERS TO BE COVERED
April	Constitution: Why and How? Rights in the Indian Constitution
May	Election and Representative Executive Legislature
July	Judiciary Federalism
August	Local Governments Constitution as a Living Document Philosophy of the Constitution
September	Political Theory: An Introduction Freedom
October	Equality Social Justice Rights
November	Citizenship Nationalism
December	Secularism Peace
January	Development
February	Revision
March	Final Term Examination

HISTORY

Month	TOPICS /CHAPTERS TO BE COVERED
April	Writing and City Life
May	An Empire across the three Continents
July	Nomadic Empire
August	Three Orders
September	Revision, Map Work 1 st Term Examination
October	Changing Cultural Tradition
November	Displacing Indigenous People
December	Path to Modernisation
January	Revision
February	Revision
March	Final Term Examination

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NURTURING EXCELLENCE

SOCIOLOGY

Month	TOPICS /CHAPTERS TO BE COVERED
April	Introducing society
May	Sociology, Society and its Relationship with other Social Sciences
July	Terms, Concepts and their use in Sociology
August	Revision
September	Understanding social institution
October	Culture and socialization
November	Social Change and Social Order in Rural and Urban Society
December	Introducing western sociologists
January	Indian Sociologists
February	Revision
March	Final Term Examination

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PSYCHOLOGY

Month	TOPICS /CHAPTERS TO BE COVERED
April	Introduction to Psychology as a Discipline, its scope and areas of specialization
May	Methods of Enquiry in Psychology
July	Human Development
August	Attentional and Perceptual Processes
September	Revision Mid Term Exam
October	Learning Experiment 1: Impact of meaningful items on Learning
November	Human Memory Experiment 2: Role of Organization in Memory
December	Thinking
January	Motivation and Emotion
February	Revision
March	Final Term Examination

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NURTURING EXCELLENCE

PAINTING

Month	TOPICS /CHAPTERS TO BE COVERED
April	Pre-historic rock Painting and Introduction
May	Indus Valley Civilization
July	Buddhist, Jain and Hindu Art
August	Temple Sculpture
September	Bronzes Sculpture
October	Artistic Aspects of Indo-Islamic Architecture
November	Nature Object study
December	Portfolio Assessment
January	Revision
February	Revision
March	Final Term Examination

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NURTURING EXCELLENCE

PHYSICAL EDUCATION

Month	TOPICS /CHAPTERS TO BE COVERED
April	Changing Trends & Career in Physical Education Olympism.
May	Yoga
July	Physical Education & Sports for CWSN (Children with Special Needs - Divyang) Physical Fitness, Health and Wellness.
August	Test, Measurement & Evaluation.
September	Fundamentals of Anatomy, Physiology in Sport Fundamentals of Kinesiology and Biomechanics in Sports.
October	Psychology & Sports
November	Training and Doping in Sports
December	Revision
January	Revision
February	Revision
March	Final Term Examination

HOME SCIENCE

Month	TOPICS /CHAPTERS TO BE COVERED
April	Understanding Self Food Nutrition Health and Fitness
May	Management of Resources Fabrics Around Us
July	Media and technology Concerns and Needs in Diverse Contexts
August	Our Apparel
September	Mid Term Exams Health and wellness
October	Care and Maintenance of Fabrics Financial Management and Planning
November	Nutrition Health and wellbeing
December	Survival Growth and development
January	Survival Growth and Management Contd.
February	Revision
March	Final Term Examination

RIDGE VALLEY
NURTURING EXCELLENCE

HINDUSTANI MUSIC

Month	TOPICS /CHAPTERS TO BE COVERED
April	<ul style="list-style-type: none"> • Teentaal ekgun,dugun,tigun and chogun . • Definition of Swar, Saptak • Knowledge of the Structure of Tanpura
May	<ul style="list-style-type: none"> • Notation and Bandish of Bhimpalasi Raag. • Nada, Shruti, Swar, Saptak, Thaata, Jati, Laya, Tala • Taal Ektaal
July	<ul style="list-style-type: none"> • Revision of Raag Bhimpalasi. • Drupad with Dugun in any one of the prescribed Ragas. • Brief History of the following Dhrupad, Khayal and Tarana • Practical file
August	<ul style="list-style-type: none"> • Raag Bihag Notation with Bandish. • Life sketch and contribution of Tansen, • Brief study of Musical Elements in NatyaShastra • Revision of Ragas and talas. • Practical file.
September	Mid term exams
October	<ul style="list-style-type: none"> • Raag Bhairavi Notation with Bandish. • Taal Chautaal . • Devotional Song
November	<ul style="list-style-type: none"> • Brief study of the following: Margi- Desi, Raga, • Life sketch and contribution of Tansen, V.N. Bhatkhande and V.D.Paluskar • Practical File
December	<ul style="list-style-type: none"> • Raag Bhimpalasi, Taan, Alaap • Raag Bihag , Taan,Alaap
January	<ul style="list-style-type: none"> • Critical study of Prescribed Ragas along with Recognizing Ragas from phrases of Swaras and elaborating them excluding Raga Jaunpuri
February	<ul style="list-style-type: none"> • Revision
March	<ul style="list-style-type: none"> • Final Exam