

# Grade X Curriculum



**DLF QEC INNOVATIVE SCHOOL  
RIDGE VALLEY**

**Annual Curriculum  
2023-24**

## CONTENT

- English
- Science
- Home Science
- Mathematics
- Social Studies
- Hindi
- Sanskrit
- French
- Spanish
- Painting
- Artificial Intelligence
- Computer Applications

# ENGLISH

Month	TOPICS /CHAPTERS TO BE COVERED
April	A letter to God Fire and Ice Nelson Mandela - Long Walk to Freedom, A triumph of Surgery Formal Letters- Letter to the Editor, Complaint Letter Determiners
May	Two Stories About Flying Dust of Snow From the Diary of Anne Frank Letter of Ordering Items, Cancelling an order, Letter of Enquiry
July	The Tale of Custard the Dragon For Anne Gregory The Proposal (Play) Analytical Paragraph Modals; Reported Speech
August	The Thief's Story Glimpses of India The Midnight Visitor Subject – verb concord
September	Mijbil the Otter How to Tell Wild Animals Madam Rides the Bus A tiger in the Zoo
October	Footprints Without Feet A Question of Trust The Sermon at Benares Bholi The Book That Saved the Earth
November	Amanda! The Trees Fog The making of a Scientist The necklace
December	Revision
January	Revision
February	Revision
March	Board Exams

# SCIENCE

Month	TOPICS /CHAPTERS TO BE COVERED
April	Our Environment, Life Processes, Light: Reflection and Refraction, Chemical reactions and equations
May	Life Processes, Light, Human eye and colourful world, Acids, Bases and Salts
July	Control and Coordination in animals and plants, Art Integrated Project on Management of Natural Resources, Human eye and colourful world + Metals and Non-Metals
August	Control and Coordination in animals and plants, Reproduction, Art Integrated Project on Management of Natural Resources, electricity + Metals and Non-Metals
September	Reproduction, electricity, Carbon and its Compounds
October	Heredity and Evolution, Magnetic effect of electric current+ Carbon and its Compounds
November	Heredity and Evolution, Magnetic effect of electric current
December	
January	
February	
March	

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NURTURING EXCELLENCE

# HOME SCIENCE

Month	TOPICS /CHAPTERS TO BE COVERED
April	Ch 1 Play Ch 2 Features of Childhood
May	Ch 3 Features of Adolescence
July	Ch 5 Time and Energy Management
August	Ch 5 Work Simplification Ch 7 Food and Personal Hygiene
September	Revision and Practice  Ch 10 Care and Maintenance of Fabrics
October	Ch 8 Meal Planning
November	Ch 9 Safety and Consumer Education
December	Pre Board 1 + Practical
January	Revision
February	Revision
March	Board Exam

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# MATHEMATICS

Month	TOPICS /CHAPTERS TO BE COVERED
April	L.1 Real Numbers L2. Polynomials, L3. Linear equation in two variables, L.4 Quadratic equations.
May	L.4 Quadratic equations. L5. Arithmetic Progression, L.6 Triangles
July	L8. Trigonometry L9 Application of Trigonometry
August	L7. Coordinate Geometry L.10 Circles
September	.11 Area Related to circles
October	L12, Surface area and Volume
November	L.13 Statistics and L.14 Probability
December	Practice from Exemplar
January	Revision
February	Revision
March	Final exams

# SOCIAL STUDIES

Month	TOPICS /CHAPTERS TO BE COVERED
April	Economics: 1. Development Geography: 1.Resource and Development History : The Rise of Nationalism in Europe Democratic Politics : Power Sharing
May	Economics: 1. Development Geography: 2- Forest and Wild Life Resources 3 .Water Resources History : The Rise of Nationalism in Europe Democratic Politics : Federalism
July	Economics: 2. Sectors of the Indian Economy Geography: 4 . Agriculture History : Print Culture and the Modern World Democratic Politics : Gender Caste and Religion
August	Economics: 2. Sectors of the Indian Economy Geography: 5—Minerals and Energy Resources History : Print Culture and the Modern World Democratic Politics : Political Parties
September	Economics: 3. Money and Credit Geography: Revision for 1 <sup>st</sup> Term Examination History : Nationalism in India Democratic Politics : Political Parties
October	Economics: 4. Money and Credit Geography: 6 . Manufacturing Industries

	History : Nationalism in India Democratic Politics : Political Parties
November	Economics: 5. Globalization And the Indian economy Geography: 6. Life lines of National Economy History :
December	Revision Pre-Board Examination
January	Revision
February	
March	

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# HINDI

Month	TOPICS /CHAPTERS TO BE COVERED
April	बड़े भाई साहब ,पदबंध, साखी, रचना के आधार पर वाक्य रूपांतर, डायरी का एक पन्ना , विज्ञापन लेखन
May	तीसरी कसम के शिल्पकार ,पत्र लेखन, , मीरा के पद, अनुच्छेद लेखन, समास, हरिहर काका
July	ततार्रा वमीरों कथा ,सूचना लेखन, तोप, मुहावरे
August	पर्वत प्रदेश में पावस,औपचारिक ई -मेल लेखन, कर चले हम फिदा, ,अपठित गद्यांश, कथा लेखन
September	टोपी शुक्ला ,वाचन कौशल गतिविधि, मनुष्यता
October	सपनों के-से दिन, श्रवण कौशल गतिविधि, आत्मत्राण,अब कहाँ दूसरे के दुख से दुखी होने वाले
November	कारतूस ,पतझर में टूटी पतियाँ
December	पुनरावृत्ति
January	पुनरावृत्ति
February	पुनरावृत्ति
March	

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# SANSKRIT

Month	TOPICS /CHAPTERS TO BE COVERED
April	शुचि पयोवरणम्, बुद्धिबेलवती सदा, व्यंजन संधिः, समयः
May	शिशु लालनम्, विसर्ग संधिः, समासाः -तत्पुरुषः, बहुव्रीहिः, अपठितः गद्यांशः
July	जननी तुल्यवत्सला, सूक्त्यः, समासाः- अव्ययीभावः, द्वंद्वः
August	सौहार्दं प्रकृतेः शोभा, प्रत्ययाः-तद्धित-स्त्री, वाच्यपरिवर्तेनम्, औपचारिक पत्रम्
September	विचित्रः साक्षी, अव्ययपदानि, अनौपचारिक पत्रम्, चित्राधारित-वर्णनम्
October	अन्योक्त्यः, सुभाषितानि, अनुच्छेद लेखनम्
November	अशुद्धि संशोधनम्, भाषानुवादः
December	पुनरावृत्ति
January	पुनरावृत्ति
February	पुनरावृत्ति
March	

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# FRENCH

Month	TOPICS /CHAPTERS TO BE COVERED
April	<p>Lesson 2- Après le bac. Theme related letters, put the dialogue in proper order, message writing, culture and civilization, grammar</p> <ul style="list-style-type: none"> <li>• la recapitulation de la</li> <li>• grammaire</li> <li>• la correspondance</li> <li>• les expressions</li> <li>• les proverbes</li> <li>• le futur antérieur</li> <li>• la forme nominale</li> </ul> <p>Lesson 3- Chercher du travail</p> <ul style="list-style-type: none"> <li>• Les pronoms</li> <li>• relatifs : simples et</li> <li>• composés</li> </ul>
May	<p>Theme related letters, put the dialogue in proper order, message writing, culture and civilisation, grammar</p> <p>Lesson4- Le plaisir de lire</p> <ul style="list-style-type: none"> <li>• Le plus-que-parfait</li> </ul> <p>Lesson 5- Les médias</p> <ul style="list-style-type: none"> <li>• la forme nominale</li> <li>• les pronoms personnels</li> <li>• : y, en</li> </ul>
July	<p>Theme related letters, put the dialogue in proper order, message writing, culture and civilisation, grammar</p> <p>Lesson – 6 Chacun ses goûts</p> <p>les pronoms démonstratifs simples et composés</p> <p>le pronom 'on'</p> <p>l'emphase :</p> <p>c'est...qui,</p> <p>c'est...que.</p> <p>Lesson – 7 En pleine forme</p> <ul style="list-style-type: none"> <li>• les pronoms possessifs</li> </ul>

August	Theme related letters, put the dialogue in proper order, message writing, culture and civilisation, grammar Lesson- 8 L'environnement <ul style="list-style-type: none"> <li>le subjonctif</li> </ul>
September	Révision and practice for Term 1 exam
October	Theme related letters, put the dialogue in proper order, message writing, culture and civilisation, grammar Lesson – 10 – Vive la République <ul style="list-style-type: none"> <li>le discours rapporté</li> </ul>
November	Revision and practice
December	
January	
February	
March	

RIDGE VALLEY

NURTURING EXCELLENCE

# SPANISH

Month	TOPICS /CHAPTERS TO BE COVERED
April	Unidad 1-El español y tu Unidad 2- Una vida de Pelicula Reflexive tense and impersonal 'Se' • Revision of the concept of comparison of equality, superiority and inferiority • The direct and indirect object pronoun • Conjunction: además, es que, etc.
May	Unidad 3- Hogar Dulce Hogar Unidad 4- Como va Todo Expressions such as: Deber + infinitivo / Tener que + infinitivo / Hay que + infinitivo / Se puede + infinitivo? / ¿Me das + ...? • Use of the verb Doler and expressions with Tener dolor de + sustantivo • Prepositions: Por / Para • Use of verbs Pensar and Creer to express an opinion
July	Unidad 5- Guia del Ocio Contrast muy / mucho • Present perfect tense (pretérito perfecto) and past indefinite tense (pretérito indefinido) • Past imperfect tense (pretérito imperfecto)
August	Unidad 6- No como carne
September	Unidad 7- Nos Gusto Mucho Unidad 8- Estamos Muy bien Paraphrase: Pensar + infinitivo, Haber que + infinitivo Negative command (singular/plural) + direct/indirect object pronoun Idea of the subjunctive mood • Simple conditional (not involving the past tense)
October	Unidad 9- Antes y Ahora Contrast between pretérito perfecto, pretérito indefinido and pretérito imperfecto
November	Unidad 10- Momentos Especiales. Consecutive conjunction: por eso • Revision of the concept of direct and indirect object pronouns
December	Revision/Culture/Authors/
January	
February	
March	

# Painting Artificial Intelligence

Month	TOPICS /CHAPTERS TO BE COVERED
April	Introduction to Artificial Intelligence (AI)
May	ICT Skills-II Understand the stages involved in the AI project cycle. Problem Scoping Data Acquisition Data Exploration Modelling Evaluation
July	Entrepreneurial Skills-II Natural Language Processing
August	Self-management Skills-II Natural Language Processing
September	Evaluation Communication Skills-II
October	Green Skills -II
November	Revision Pre-Board Examination -1
December	Revision Pre-Board Examination -2
January	Revision
February	Revision
March	Board Exams

## Computer Application

Month	TOPICS /CHAPTERS TO BE COVERED
April	HTML: Introduction to web page designing using HTML HTML tags Insert images Create a table using the tags Links Create a table using the tags
May	HTML : Cascading style sheet Networking: Internet Internet protocols Services available on the internet
July	Services available on the internet Web services Mobile technologies
August	Cyber ethics Netiquettes. Software licenses and the open source software movement.
September	Cyber ethics digital property rights. Freedom of information and the digital divide. E-commerce: Privacy, fraud, secure data transmission.
October	Intellectual property rights, plagiarism
November	Revision Pre-Board Examination -1
December	Revision Pre-Board Examination -2
January	Revision
February	Revision
March	Board Exams