



DELHI WORLD PUBLIC SCHOOL RAJKOT

Annual Syllabus Breakup 2023-24

CLASS: 10

## Subject: English

1<sup>st</sup> Term

MONTH	TOPICS
April-May	<b>First-Flight</b> F1- A Letter to God P1- Dust of Snow P2- Fire & Ice <b>Foot Prints-</b> F1- A Triumph of Surgery. <b>Grammar-</b> Determiners Tenses
June- July	<b>First-Flight-</b> F3-Nelson Mandela - Long Walk to Freedom. P3-A Tiger in the Zoo. <b>FOOT PRINTS-</b> F2-The Thief's Story. F3-The Midnight Visitor. F4-A Question of Trust <b>WRITING-</b> <b>FORMAL LETTER</b>
August	<b>First-Flight</b> F4. Two Stories About Flying. F5. From the Diary of Anne Frank <b>P4-</b> How to Tell Wild Animals. <b>FOOT PRINTS-</b> F5-Footprints Without Feet. <b>Grammar-</b> MODALS. COMPREHENSION.
September	<b>First-Flight</b> F6-Glimpses of India. F7-Mijbil the Otter. P5.The Ball Poem P6. Amanda!
<b>2<sup>nd</sup> term</b>	
October	<b>First-Flight –</b> F8-Madam Rides the Bus P7. The Trees P8-Fog <b>FOOT PRINTS-</b>

	F6-The Making of a Scientist <b>Grammar-</b> Reported speech
<b>November</b>	<b>First-Flight-</b> F9-The Sermon at Benares. P9-The Tale of Custard the Dragon P10-For Anne Gregory <b>FOOT PRINTS-</b> <b>F7-The Necklace</b> F8- Bholi <b>Grammar-</b> <b>Subject – verb concord</b>
<b>December</b>	<b>First-Flight-</b> F10-The Proposal (Play) <b>FOOT PRINTS-</b> F9-The Book that Saved the Earth. <b>REVISION START</b>
<b>January</b>	<b>Revision</b>
<b>February</b>	<b>Revision/ Pre-board exam</b>

### **Suggested Reading List for Class X**

1. Books by Agatha Christie
2. Books by Arthur Conan Doyle
3. The Room on the Roof–Ruskin Bond
4. Little Women–Louisa May Alcott
5. The Call of the Wild–Jack London
6. Rebecca of Sunny brook Farm–Kate Douglas Wiggin
7. The Centreville Ghost – Oscar Wilde
8. The Great Grammatizator and other Stories–Roald Dahl
9. Snappy Surprises–Ruskin Bond
10. Moby Dick–Herman Melville
11. Artemis Fowl series - Eoin Colfer
12. Daddy Long Legs-Jean Webster
13. School Stories by P. G. Wode house

# Subject: Physics

## 1<sup>st</sup> Term

Month	Topics
April	<b>Ch. 09 Light : Reflection and Refraction</b> <ul style="list-style-type: none"><li>• Reflection of light by curved surfaces</li><li>• Images formed by spherical mirrors</li><li>• Centre of curvature</li><li>• Principal axis and principal focus, focal length, mirror formula, magnification</li><li>• Refraction</li><li>• Laws of refraction, refractive index</li><li>• Refraction of light by spherical lens</li><li>• Image formed by spherical lenses</li><li>• Lens formula</li><li>• Magnification, power of a lens</li></ul>
June –July	<b>Ch. 10 The Human Eye and the Colourful World</b> <ul style="list-style-type: none"><li>• Functioning of a lens in human eye</li><li>• Defects of vision and their corrections</li><li>• Refraction of light through a prism</li><li>• Dispersion of light</li><li>• Scattering of light</li><li>• Application in daily life</li></ul>
August	<b>Ch. 11 Effects of current</b> <ul style="list-style-type: none"><li>• Electric current</li><li>• Potential difference and electric current</li><li>• Ohm's law</li><li>• Resistance, resistivity</li><li>• Factors on which the resistance of a conductor depends</li></ul>
September	Revision

## 2<sup>nd</sup> Term

Month	Topics
October	<b>Ch : 11 Effects of Current (continue...)</b> <ul style="list-style-type: none"><li>• Series combination of resistors</li><li>• Parallel combination of resistors and its applications in daily life</li><li>• Heating effect of electric current and its applications in daily life</li><li>• Electric power</li><li>• Interrelation between P, V, I and R</li></ul> <b>Ch. 12 Magnetic Effects of current</b> <ul style="list-style-type: none"><li>• Magnetic field, field lines, field due to a current carrying conductor</li><li>• Field due to current carrying coil or solenoid</li><li>• Force on current carrying conductor</li><li>• Fleming's Left hand Rule</li></ul>
November	<b>Ch. 12 Magnetic Effects of current (continue...)</b> <ul style="list-style-type: none"><li>• Direct Current</li></ul>

	<ul style="list-style-type: none"> <li>• Alternating current</li> <li>• Frequency of AC</li> <li>• Advantage of AC over DC</li> <li>• Domestic electric circuits</li> </ul>
December	Revision

## Subject: Biology

1 <sup>st</sup> Term	
Month	Topics
April–May	Ch.6 Life Process <ul style="list-style-type: none"> <li>➤ Nutrition</li> <li>➤ Photosynthesis</li> <li>➤ Practical / Activity : To study the Structure Of Stomata</li> <li>➤ Respiration</li> <li>➤ Practical / Activity : To prove that carbon dioxide is given out during respiration</li> </ul>
June –July	Ch.6 Life Process <ul style="list-style-type: none"> <li>➤ Circulation</li> <li>➤ Excretion</li> <li>➤ Revision</li> </ul> Ch7 Control and Coordination <ul style="list-style-type: none"> <li>➤ Structure Of Nerve Cell</li> <li>➤ Reflex action</li> <li>➤ Types of nervous system</li> <li>➤ Tropic movement</li> <li>➤ Plant Hormones</li> <li>➤ Revision</li> </ul>
August	Ch.8 How does organism reproduce <ul style="list-style-type: none"> <li>➤ Asexual reproduction</li> <li>➤ Sexual reproduction</li> <li>➤ Reproduction in plants</li> <li>➤ Human reproductive system</li> <li>➤ Revision</li> <li>➤ Practical/ activity : Binary fission in amoeba and budding in yeast</li> </ul>
September	Revision and Half Yearly Exam
2 <sup>nd</sup> Term	
Month	Topics
October	Ch.9 Heredity and Evolution <ul style="list-style-type: none"> <li>➤ Mendel’s experiment</li> <li>➤ Laws of inheritance of traits</li> </ul>

November	Ch.9 Heredity and Evolution <ul style="list-style-type: none"> <li>➤ Sex determination</li> <li>➤ Revision</li> </ul> Ch.15 Our Environment <ul style="list-style-type: none"> <li>➤ Different ecosystems</li> <li>➤ Tropic levels</li> <li>➤ Food chain and Food web</li> <li>➤ Flow of energy in an Ecosystem</li> <li>➤ Revision</li> </ul>
December	Revision
January	Revision
February	Pre Board Exam

## Subject: Chemistry

1 <sup>st</sup> Term	
Month	Topics
April–May	Ch.1 Chemical reaction and equation <ul style="list-style-type: none"> <li>➤ Physical change</li> <li>➤ Chemical Change</li> <li>➤ Skeletal equation</li> <li>➤ Balancing of equation</li> <li>➤ Types of chemical equation</li> <li>➤ Combination reaction</li> <li>➤ Displacement reaction</li> <li>➤ Precipitation reaction</li> <li>➤ Exothermic reaction</li> <li>➤ Endothermic reaction</li> <li>➤ Rancidity and corrosion</li> </ul> Activity : observation of different chemical reactions
June –July	Ch.2 Acids, bases and Salt <ul style="list-style-type: none"> <li>➤ General properties</li> <li>➤ Neutralization reaction</li> <li>➤ Concept of Ph scale</li> <li>➤ Importance of Ph in everyday life</li> <li>➤ Preparation and uses of Sodium hydroxide</li> <li>➤ Preparation and uses of Bleaching powder</li> <li>➤ Preparation and uses of Baking Soda</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Preparation and uses of Washing soda</li> <li>➤ Preparation and uses of Sodium hydroxide</li> <li>➤ Preparation and uses of Plaster of paris</li> </ul> <p>Activity : study properties of Acids,bases and salt Activity : Finding Ph of different solutions</p>
August	Ch.3 Metal and nonmetals <ul style="list-style-type: none"> <li>➤ Properties of metals</li> <li>➤ Properties of non- metals</li> <li>➤ Reactivity series</li> <li>➤ Formation and properties of ionic compound</li> <li>➤ Basic metallurgical processes</li> <li>➤ Corrosion and its prevention</li> </ul> <p>Activity : Observing action of metals on following salt solution.</p>
September	Revision and Half Yearly Exam
<b>2<sup>nd</sup> Term</b>	
<b>Month</b>	<b>Topics</b>
October	Chapter 4 Carbon compound <ul style="list-style-type: none"> <li>➤ Covalent bond</li> <li>➤ Versatile nature of carbon</li> <li>➤ Homologous series</li> </ul>
November	<ul style="list-style-type: none"> <li>➤ Nomenclature of carbon compound</li> <li>➤ Functional groups</li> <li>➤ Chemical properties of carbon</li> </ul>
December	Revision
January	Revision
February	Pre Board Exam

## Subject: Information Technology (402)

<b>1<sup>st</sup> Term</b>	
<b>Month</b>	<b>Topics - Subject Specific Skills</b>
April	Unit 1: Digital Documentation (Advanced)
June	Unit 2: Electronic Spreadsheet (Advanced)
July	Unit 3: Database Management System
August	Unit 4: Web Applications and Security
September	Revision

2 <sup>nd</sup> Term	
Month	Topics - Employability Skills
October	Unit 1 : Communication Skills
November	Unit 2 : Self-Management Skills
December	Unit 3 : ICT Skills
January	Unit 4 : Entrepreneurial Skills Unit 5 : Green Skills
February	Revision

### Subject: Social Science

1 <sup>st</sup> Term	
Month	Topics
April	<p><b>(Geog.) Ch –1 Resources and development</b></p> <ul style="list-style-type: none"> <li>○ Concept</li> <li>○ Development of Resources</li> <li>○ Resource Planning – Resource Planning in India, Conservation of Resources</li> <li>○ Land Resources</li> <li>○ Land Utilization</li> <li>○ Land Use Pattern in India</li> <li>○ Land Degradation and Conservation Measures</li> <li>○ Soil as a Resource - Classification of Soils, Soil Erosion and Soil Conservation</li> </ul> <p><b>(Eco.) Ch–1 Development</b></p> <ul style="list-style-type: none"> <li>○ What Development Promises -Different, People, Different Goals</li> <li>○ Income and Other Goals</li> <li>○ National Development</li> <li>○ How to compare different countries or states?</li> <li>○ Income and other criteria</li> <li>○ Public Facilities</li> <li>○ Sustainability of Development</li> </ul> <p><b>(Hist.) Ch–1 The Rise of Nationalism in Europe</b></p> <ul style="list-style-type: none"> <li>○ The French Revolution and the Idea of the Nation</li> <li>○ The Making of Nationalism in Europe</li> <li>○ The Age of Revolutions: 1830-1848</li> <li>○ The Making of Germany and Italy</li> <li>○ Visualizing the Nation</li> <li>○ Nationalism and Imperialism</li> </ul>

June	<p><b>(D.P.) Ch–1 Power sharing</b></p> <ul style="list-style-type: none"> <li>○ Belgium and Sri Lanka</li> <li>○ Majoritarianism in Sri Lanka</li> <li>○ Accommodation in Belgium</li> <li>○ Why power sharing is desirable?</li> <li>○ Forms of Power Sharing</li> </ul>
July	<p><b>(Geog.) Ch– 2 Forest and Wildlife Resources</b></p> <ul style="list-style-type: none"> <li>○ Conservation of forest and wildlife in India</li> <li>○ Types and distribution of forests and wildlife resources</li> <li>○ Community and Conservation</li> </ul> <p><b>(Geog.) Ch – 3 Water Resources</b></p> <ul style="list-style-type: none"> <li>○ Water Scarcity and The Need for Water Conservation and Management</li> <li>○ Multi-Purpose River Projects and Integrated Water Resources Management</li> <li>○ Rainwater Harvesting</li> </ul> <p><b>(Eco.) Ch –2 Sectors of Indian Economy</b></p> <ul style="list-style-type: none"> <li>○ Sectors of Economic Activities</li> <li>○ Comparing the three sectors</li> <li>○ Primary, Secondary and Tertiary Sectors in India</li> <li>○ Division of sectors as organized and unorganized</li> <li>○ Sectors in terms ownership: Public and Private Sectors</li> </ul> <p><b>(D.P.) Ch–2 Federalism</b></p> <ul style="list-style-type: none"> <li>○ What is federalism</li> <li>○ what make India a federal country?</li> <li>○ How is federalism practiced</li> <li>○ Decentralization in India</li> </ul> <p><b>(Geog.) Ch–4 Agriculture</b></p> <ul style="list-style-type: none"> <li>○ Types of Farming – Primitive, Subsistence, Intensive Subsistence, Commercial</li> <li>○ Cropping Pattern – Major Crops, Food Crops other than Grains, Non-Food Crops, Technological and Institutional Reforms</li> <li>○ Food Security</li> </ul>
August	<p><b>(D.P.) Ch–3 Gender, Religion and Caste</b></p> <ul style="list-style-type: none"> <li>○ Gender and Politics - Public/Private division, Women’s political representation</li> <li>○ Religion, Communalism and Politics –Communalism, Secular State</li> <li>○ Caste and Politics - Caste inequalities, Caste in politics, Politics in caste</li> </ul> <p><b>(Hist.) Ch–2 Nationalism in India</b></p>



	<ul style="list-style-type: none"> <li>○ The First World War, Khilafat and Non-Cooperation</li> <li>○ Differing Strands within the Movement</li> <li>○ Towards Civil Disobedience</li> <li>○ The Sense of Collective Belonging</li> </ul> <p><b>(Geog.) Ch-5 Mineral &amp; Energy Resources</b></p> <ul style="list-style-type: none"> <li>○ What is a mineral?</li> <li>○ Mode of occurrence of Minerals - Where are these minerals found? Ferrous Minerals, Non-Ferrous Minerals, Non-Metallic Minerals, Rock Minerals</li> <li>○ Conservation of Minerals</li> <li>○ Energy Resources - Conventional Sources of Energy, Non-Conventional Sources of Energy</li> <li>○ Conservation of Energy Resources</li> </ul> <p><b>(D.P.) Ch-4 Political Parties</b></p> <ul style="list-style-type: none"> <li>○ Why do we need Political Parties? –Meaning, Functions, Necessity</li> <li>○ How many parties should we have?</li> <li>○ National Parties</li> <li>○ State Parties</li> <li>○ Challenges to Political Parties</li> <li>○ How can Parties be reformed?</li> </ul>
September	<p><b>(Eco.) CH-3 Money and Credit</b></p> <ul style="list-style-type: none"> <li>○ Money as a medium of exchange</li> <li>○ Modern forms of Money</li> <li>○ Loan activities of Banks</li> <li>○ Two different Credit situations</li> <li>○ Terms of Credit</li> <li>○ Formal Sector Credit in India</li> <li>○ Self Help Groups for the Poor</li> </ul> <p><b>Revision</b></p>

Month	Topics
October	<p><b>(Hist.) Ch -4 The Making of Global World</b></p> <ul style="list-style-type: none"> <li>○ The Pre-modern world</li> </ul> <p><b>(Geog.) Ch-6 Manufacturing Industries</b></p> <ul style="list-style-type: none"> <li>○ Importance of manufacturing</li> <li>○ Contribution of Industry to National Economy</li> <li>○ Industrial Location</li> <li>○ Classification of Industries</li> </ul> <p><b>(D.P.) Ch-5 Outcomes of Democracy</b></p> <ul style="list-style-type: none"> <li>○ How do we assess democracy's outcomes?</li> <li>○ Accountable, responsive and legitimate government</li> <li>○ Economic growth and development</li> </ul>

	<ul style="list-style-type: none"> <li>○ Reduction of inequality and poverty</li> <li>○ Accommodation of social diversity</li> <li>○ Dignity and freedom of the citizens</li> </ul>
November	<p><b>(Eco.) Ch–4 Globalization and the Indian Economy</b></p> <ul style="list-style-type: none"> <li>○ What is globalization?</li> <li>○ Factors that have enabled Globalization</li> </ul> <p><b>(Geo.) CH–7 Lifelines of National Economy</b></p> <ul style="list-style-type: none"> <li>○ Roadways</li> <li>○ Railways</li> </ul>
December	<p><b>(Hist.) CH-5 Print Culture and the Modern World</b></p> <ul style="list-style-type: none"> <li>○ The First Printed Books</li> <li>○ Print Comes to Europe</li> <li>○ The Print Revolution and its Impact</li> <li>○ The Reading Mania</li> <li>○ The Nineteenth Century</li> <li>○ India and the World of Print</li> <li>○ Religious Reform and Public Debates</li> <li>○ New Forms of Publication</li> <li>○ Print and Censorship</li> </ul>
January	<b>Revision Pre-Board Exam</b>
February	<b>Revision</b>

### LIST OF MAP ITEMS

#### History

Nationalism in India

I. Congress sessions:

A. 1920 Calcutta

B. 1920 Nagpur.

C. 1927 Madras session,

II. 3 Satyagraha movements:

A. Kheda

B. Champaran.

C. Ahmedabad mill workers

III. Jallianwala Bagh

IV. Dandi march

#### Geography

Resources and Development

Identify: Major soil Types

Water Resources Locating and Labelling:

- Salal

- Bhakra Nangal
- Tehri
- Rana Pratap Sagar
- Sardar Sarovar
- Hirakud
- Nagarjuna Sagar
- Tungabhadra

Agriculture Identify:

- Major areas of Rice and Wheat
- Largest/ Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute

Minerals and Energy Resources Identify:

a. Iron Ore mines

- Mayurbhanj
- Durg
- Bailadila
- Bellary
- Kudremukh

b. Coal Mines

- Raniganj
- Bokaro
- Talcher
- Neyveli

c. Oil Fields

- Digboi
- Naharkatia
- Mumbai High
- Bassien
- Kalol
- Ankaleshwar

Locate& label: Power Plants

a. Thermal

- Namrup
- Singrauli
- Ramagundam

b. Nuclear

- Narora
- Kakrapara
- Tarapur

- Kalpakkam

## Manufacturing Industries

### I. Manufacturing Industries (Locating and Labelling Only)

- ☐ Cotton Textile Industries: a. Mumbai b. Indore c. Surat d. Kanpur e. Coimbatore
- ☐ Iron and Steel Plants: a. Durgapur b. Bokaro c. Jamshedpur d. Bhilai e. Vijayanagar f. Salem

II. Software Technology Parks: a. Noida b. Gandhinagar c. Mumbai d. Pune e. Hyderabad, f. Bengaluru g. Chennai. h. Thiruvananthapuram

## Lifelines of National Economy

### Locating and Labelling:

#### a. Major Sea ports

- Kandla
- Mumbai
- Marmagao
- New Mangalore
- Kochi
- Tuticorin
- Chennai
- Vishakhapatnam
- Paradip
- Haldia

#### b. International Airports:

- Amritsar (Raja Sansi - Sri Guru Ram Dass jee)
- Delhi (Indira Gandhi)
- Mumbai (Chhatrapati Shivaji)
- Chennai (MeenamBakkam)
- Kolkata (Netaji Subhash Chandra Bose)
- Hyderabad (Rajiv Gandhi)

## Subject : Physical Education

<b>1<sup>st</sup> Term</b>	
<b>Month</b>	<b>Topics</b>
April–May	Sports and Games GK Class
June –July	Badminton / Yoga (Yoga Day celebration) -Introduction -Explanation of games -Rules of the games
August	Football -Introduction -Explanation of games -Basic fundamentals of the games -Rules of the games
September	Cricket -Introduction -Explanation of games -Basic fundamentals of the games -Rules of the games

<b>2<sup>nd</sup> Term</b>	
October	Major Games (Project on any one game) -Basketball – Football -Badminton – Kabaddi -Hockey – Judo
November	Swimming -Swimming, Diving and Water Polo
December	Health Education -Impact of Pollution and Population Explosion and Health -Communicable and Non-Communicable Diseases and their Prevention -Global Dimension of Health
January	Health Education -System of Medicine and Health set up in India -Health Education for Tackling Social Issues
February	Major Games -Basketball –Football -Badminton – Kabaddi -Hockey – Judo Project on any one game

## Subject: Mathematics

Month	Topics
April–May	<ol style="list-style-type: none"><li>1. Real Numbers</li><li>2. Polynomials</li><li>3. Pair of Linear Equations in two variables</li></ol>
June –July	<ol style="list-style-type: none"><li>1. Quadratic Equations</li><li>2. Triangles</li><li>3. Co-ordinate Geometry</li></ol>
August	<ol style="list-style-type: none"><li>1. Trigonometry</li><li>2. Applications of Trigonometry</li></ol>
September	<ol style="list-style-type: none"><li>1. Arithmetic Progression</li><li>2. Circles</li><li>3. Areas related to Circles</li></ol>
October	<ol style="list-style-type: none"><li>1. Surface Areas and Volumes</li><li>2. Probability</li></ol>
November	<ol style="list-style-type: none"><li>1. Statistics</li></ol>
December	Revision
January	Pre-Board Exam

**Subject: Hindi**

१ स्पर्श भाग - २

२ संचयन भाग - २ ३ मानक हिन्दी व्याकरण  
1<sup>st</sup> Term

माह	पाठ्यक्रम
अप्रैल-मई	स्पर्श - पंथ : १ : कबीर - साखी गंध : १ : प्रेमचंद व्या. : समास, अपठित गद्यांश
जून-जुलाई	स्पर्श - पंथ : २ मीरा - पद गंध : २ : सीताराम सेकसरिया - डायरी का पन्ना संचयन : पाठ - १ : मिथिलेश्वर - हरिहर काका व्या.- पद और पदबंध, अनुच्छेद लेखन, पत्र लेखन
अगस्त	गंध : ३ : लीलाधर मंडलोई - ततौरा-बामीरो कथा गंध ४: प्रहलाद अग्रवाल- तीसरी कसम..... व्या.- वाक्य रचना व रूपांतरण, मुहावरे एवं लोकोक्तियाँ, विज्ञापन लेखन, ई-मेल लेखन
सितम्बर	स्पर्श - पंथ : ४ मैथिलीशरण गुप्त - मनुष्यता

2<sup>nd</sup> Term

अक्टूबर	स्पर्श -पंथ : ५ सुमित्रानंदन पंत - पर्वत प्रदेश में पावस संचयन : पाठ - २ : गुरुदयाल सिंह - सपनों के-सेदिन पत्र-लेखन, अनुच्छेद-लेखन, लघुकथा लेखन व्या.- अलंकार
नवम्बर	स्पर्श - गंध : ६ : निदा फाजली - अब कहाँ दूसरे के दुख से... स्पर्श - पंथ : ७ : वीरेन डंगवाल : तोप गंध : ७ : रवींद्र केलेकर - पतझर में टूटी पतियाँ: १. गिन्नी का सोना २. झेन की देन व्या. वाक्य शुद्धि अपठित गद्यांश एवं पद्यांश
दिसम्बर	स्पर्श - पंथ : ८ : कैफ़ी आजमी- कर चले हम फिदा पंथ : ९ : रवीन्द्रनाथ ठाकुर : आत्मत्राण गंध : ८ : हबीब तनवीर - कारतूस पुनरावर्तन
जनवरी	संचयन : पाठ ३ : राही मासूम रजा - टोपी शुक्ला

Subject Teacher: \_\_\_\_\_

Subject In-charge: \_\_\_\_\_

Principal: \_\_\_\_\_