



# **JAGANNATH INTERNATIONAL SCHOOL**

## **MONTH-WISE SYLLABUS-2024-25 CLASS-X**

### **EXAMINATION PATTERN (2024-25) IX – X**

- ❖ As per CBSE assessment structure, students will have four assessments in a year. These assessments will be based on of following pattern:

**Periodic Test I : 40 Marks written**

**Mid Term Examination : 80 marks written**

**Periodic Test II : Class IX : 40 Marks written**

**Pre-Board Examination**

**Final Term Examination (Class IX) : 80 Marks  
(Written)**

**Final Term Examination (Class X) : Board exams: 80  
Marks**

**(Written)**

**Final term Result : 80 marks (written final exams) + 5  
marks (portfolio) + 5 marks (SEA) + average of best  
two assessments (5) + other assessments (5) = 100  
(Liable to changes in accordance to CBSE pattern)**

- ❖ In accordance with CBSE pattern the final term result will carry the following

❖ :

**Internal Assessments (20) + Final Exam (80) = 100  
Marks**

- ❖ Marks and Grades both will be awarded for individual subject as follows:

Marks Range

Grade

91-100

A1

81-90

A2

71-80

B1

61-70

B2

51-60

C1

41-50

C2

33-40

D

32 & Below

E (Fail)

**CLASS X  
MONTHLY SYLLABUS  
ENGLISH**

- Books:** a) First Flight (NCERT)  
b) Footprints without Feet (NCERT)

<b>MONTH</b>	<b>CHAPTERS</b>	<b>ACTIVITIES</b>
APRIL	<p><b>Literature</b>  <b>First Flight</b>            Chapter 1: A Letter to God            Chapter 2: Nelson Mandela: Long Walk to Freedom  <b>Poems</b>                1. Dust of Snow                2. Fire and Ice  <b>Footprints without Feet</b>            Chapter 1: A Triumph of Surgery            Chapter 2: The Thief's Story  <b>Writing</b>            Formal and Business Letter, Placing an order Letter  <b>Grammar</b>            Determiners</p>	<p>· Role Play and Analogies             · Group Discussion on Faith             · Exchange of Ideas on the origin and end of this world</p>

MAY	<p><b>Literature</b></p> <p><b>First Flight</b> Chapter 3: Two Stories about Flying I) His First Flight II) Black Aeroplane</p> <p><b>Poems</b> 3. A Tiger in the Zoo 4. How to Tell Wild Animals</p> <p><b>Footprints without Feet</b> Chapter 3: The Midnight Visitor Chapter 4: A Question of Trust</p> <p><b>Grammar</b> Gap filling, Editing/Omission</p> <p><b>Writing</b> Letter to Editor</p>	<ul style="list-style-type: none"> <li>· Narration of similar experiences by the students</li> <li>· Group Discussion on moral values and societal attitudes</li> <li>· Discussion on the difference between caged animals and ones in the forest</li> <li>· Poster on a caged tiger versus a free tiger.</li> </ul>
JULY	<p><b>Literature</b> First Flight Chapter 4: From the Diary of Anne Frank</p> <p><b>Poems</b> 5. The Ball Poem 6. Amanda</p> <p><b>Footprints without Feet</b> Chapter 5: Footprints without Feet Chapter 6: The Making of a Scientist</p> <p><b>Grammar</b></p>	<ul style="list-style-type: none"> <li>· Debate on Supernatural and Life After Death</li> <li>· Discussion on the Nazi era and Germany in the times of Hitler</li> <li>· Research on ‘The Invisible Man’ and</li> </ul>

	<p>Tenses, Editing/Omission</p> <p><b>Writing</b> Letter of Enquiry</p>	<p>eliciting more information</p> <ul style="list-style-type: none"> <li>· Eliciting students' response and views on behavior of parents and their nagging ways</li> </ul>
<p>AUGUST- SEPTEMBER</p>	<p><b>Literature</b> <b>First Flight</b> Chapter 5: Glimpses of India Chapter 6: Mijbil the Otter Chapter 7: Madam Rides the Bus</p> <p><b>Poems</b> 7. The Trees 8. Fog</p> <p><b>Footprints without Feet</b> Chapter 7: The Necklace</p> <p><b>Grammar</b> Reported Speech</p> <p><b>Writing</b> Letter of Complaint</p>	<ul style="list-style-type: none"> <li>· Narration by students on their first independent journey or similar kind of achievement</li> <li>· Mind Mapping on India and its varied culture</li> <li>Collage Making</li> <li>· Exchange of views on various kinds of pets and their peculiar behavior</li> </ul>
<p>OCTOBER</p>	<p><b>Literature</b> <b>First Flight</b> Chapter 8: The Sermon at Benares Chapter 9: The Proposal</p> <p><b>Poems:</b></p>	<ul style="list-style-type: none"> <li>· Characters and Author/Poet</li> <li>Enactments</li> <li>· What is a Ballad?</li> <li>Examples of</li> </ul>

	<p>9. The Tale of Custard the Dragon</p> <p>10. For Anne Gregory</p> <p><b>Grammar</b> Modals Integrated Grammar</p> <p><b>Writing</b> Analytical Paragraph</p>	<p>Ballad in English and Hindi Literature</p> <p>Poster making (The tale of Custard, the dragon)</p> <p>· Debate on the decision of Buddha to leave home in search of enlightenment</p> <p>Collage of pictorial depiction of life of Buddha</p>
NOVEMBER	<p><b>Literature</b> <b>Footprints without Feet</b> Chapter 8: Bholi Chapter 9: The Book that Saved the Earth</p> <p><b>Grammar</b> Integrated Grammar</p> <p><b>Writing</b> Revision of all the writing skills</p>	<p>· Poem Presentation</p> <p>· Slogan writing on Women safety</p> <p>· Debate on False Pretenses' and need for Social acceptability among the middle classes</p>

**मासिक पाठ्यक्रम  
हिंदी**

पाठ्य-पुस्तक:- स्पर्श भाग-2, संचयन भाग-2, व्याकरण परिचय (फुलमाक्स)

माह	पाठ संख्या तथा शीर्षक	गतिविधि
अप्रैल-	<p><b>स्पर्श-गद्य खंड:-</b> बड़े भाई साहब।</p> <p><b>पद्य खंड:-</b>साखी(कबीर),<b>संचयन:-</b> हरिहर काका।</p> <p><b>व्याकरण खंड:-</b> वाक्य-रूपांतरण,पदबंध।</p> <p><b>लेखन खंड:-</b>अनुच्छेद,औपचारिक पत्र, विज्ञापन।</p>	<ul style="list-style-type: none"> <li>● विज्ञापन निर्माण।</li> <li>● प्राकृतिक चित्रण द्वारा कार्ड निर्माण।</li> </ul>
मई	<p><b>स्पर्श-गद्य खंड:-</b> डायरी का एक पन्ना।</p> <p><b>पद्य खंड:-</b> मीरा के पद।</p> <p><b>व्याकरण खंड:</b> व्याकरण खंड-मुहावरे।</p> <p><b>लेखन खंड:-</b>सूचना लेखन,अपठित गद्यांश।</p>	<ul style="list-style-type: none"> <li>● स्वतंत्रता संग्राम सेनानियों के चित्रों से कोलाज़ निर्माण।</li> <li>● मीरा के पदों का सस्वर वाचन।</li> </ul>
जुलाई	<p><b>स्पर्श-गद्य खंड:-</b> तताँरा-वामीरो कथा</p> <p><b>पद्य खंड:-</b>मनुष्यता,<b>संचयन खंड:-</b>टोपी शुक्ला।</p> <p><b>व्याकरण खंड:-</b>समास।</p> <p><b>लेखन खंड:-</b> लघुकथा,ई-मेल लेखन।</p>	<ul style="list-style-type: none"> <li>● कला समेकित गतिविधि :-तताँरा-वामीरो कथा (वर्ली-आर्ट)</li> <li>● वाचन कौशल का आंकलन (A.S.L.)</li> </ul>

<p>अगस्त-सितम्बर</p>	<p><b>स्पर्श-गद्य खंडः</b>:-तीसरी कसम के शिल्पकार।  <b>पद्य खंडः</b>:-पर्वत प्रदेश में पावस।  <b>संचयनः</b>:- सपनों के से दिन।  <b>व्याकरण खंडः</b>:- आवृत्ति कार्य।  <b>लेखन खंडः</b>:-आवृत्ति कार्य।</p>	<ul style="list-style-type: none"> <li>● छात्रों को प्रकृति से जोड़ने हेतु भारत की विभिन्न ऋतुओं का चित्रण।</li> <li>● श्रवण कौशल का आंकलन (A.S.L.)</li> </ul>
<p>अक्टूबर</p>	<p><b>स्पर्श-गद्य खंडः</b>:-अब कहाँ दूसरे के दुःख से दुखी होने वाले।  <b>पद्य खंडः</b>:-तोप, <b>संचयन खंडः</b>:- हरिहर काका(आवृत्ति )।  <b>व्याकरण खंडः</b>:-आवृत्ति कार्य,लेखन खंड-आवृत्ति कार्य।</p>	<ul style="list-style-type: none"> <li>● स्लोगन-पर्यावरण संरक्षण एवं प्लास्टिक रोकथाम।</li> </ul>
<p>नवम्बर</p>	<p><b>स्पर्श-गद्य खंडः</b>:- पतझर में टूटी पत्तियां  <b>पद्य खंडः</b>:-कर चले हम फ़िदा,  <b>संचयन खंडः</b>:-टोपी शुक्ला,सपनों के से दिन (आवृत्ति )।  <b>व्याकरण खंडः</b>-आवृत्ति कार्य,<b>लेखन खंडः</b>:-आवृत्ति कार्य।</p>	<ul style="list-style-type: none"> <li>● गिन्नी का सोना अंश को आधार मानकर पेपर मैशी द्वारा छोटे बड़े सिक्के बनाकर उन्हें तांबे तथा सोने के रंगों में रंग कर आभूषण बनाइए।</li> </ul>

**विशेष:-** पाठ्यक्रम नवम्बर माह में ही पूर्ण।पुनरावृत्ति प्रारम्भ कक्षा परीक्षा के माध्यम से छात्रों की योग्यता स्तर का आंकलन और सुधार हेतु प्रोत्साहित करना।

**MONTHLY SYLLABUS  
MATHEMATICS**

<b>MONTH</b>	<b>CHAPTERS</b>	<b>ACTIVITIES</b>
APRIL	Ch-2 : Polynomials Ch-3 : Pair of Linear Equations in two variables.	<ul style="list-style-type: none"><li>● To obtain the conditions for consistency of a system of linear equations in two variables by graphical method.</li></ul>
MAY	Ch-1 Real Numbers Ch-4: Quadratic Equations	<ul style="list-style-type: none"><li>●</li></ul>
JULY	Ch- 5: Arithmetic Progressions Ch- 6: Triangles	<ul style="list-style-type: none"><li>● To verify that given sequence is an arithmetic progression by paper cutting and pasting method.</li><li>● To illustrate that the median of a triangle concurs at a point</li></ul>



		which always lies inside the circle.
AUGUST- EPTEMBER	Ch-8 : Introduction to Trigonometry Ch- 9 : Application of Trigonometry	<ul style="list-style-type: none"> <li>To verify that the values of trigonometric ratios of an angle do not vary with the lengths of the sides of the triangle.</li> </ul>
OCTOBER	Ch-7: Co – ordinate Geometry	<ul style="list-style-type: none"> <li>To verify that the lengths of the tangents drawn from an external point are equal using the method of paper folding.</li> </ul>
	Ch-10: Circles Ch-11: Area related to Circles	
NOVEMBER	Ch-12 : Areas related to circle Ch-13: Statistics Ch- 14 Probability	<ul style="list-style-type: none"> <li>To make a right circular cylinder of given height and circumference of base.</li> <li>To make a cone of given slant lengths and base circumference.</li> </ul>

**MONTHLY SYLLABUS  
SCIENCE**

**Book : Textbook of Science (NCERT)****Practical Skills in Science (Full Marks)**

<b>MONTH</b>	<b>CHAPTERS</b>	<b>PRACTICALS</b>
APRIL	Ch - 1 Chemical Reactions and Equations Ch - 6 Life Processes Ch - 12 Electricity (Half)	2 and 4
MAY	Ch - 4 Carbon and its Compounds (Half) Ch - 7 Control and Coordination (Half) Ch - 12 Electricity (Half)	1A, 5A and 7
JULY	Ch - 4 Carbon and its Compounds (Half) Ch - 7 Control and Coordination (Half) Ch - 13 Magnetic Effects of Electric Current Ch - 16 Management of Natural Resources	1B, 5B and 6
AUGUST – SEPTEMBER	Ch - 2 Acids, Bases and Salts (Half) Ch - 8 How do Organisms Reproduce Ch - 10 Light: Reflection and Refraction (Half)	3, 10 and 15
OCTOBER	Ch - 2 Acids, Bases and Salts (Half) Ch - 3 Metals and Non Metals (Half) Ch - 8 How do Organisms Reproduce	8, 9, 11 and 12

	Ch - 10 Light: Reflection and Refraction (Half) Ch - 9 Heredity and Evolution	
NOVEMBER	Ch – 3 Metals and Non Metals (Half) Ch - 11 Human Eye and the Colorful World (Half) Ch – 13 Our Environment	13

**MONTHLY SYLLABUS  
SOCIAL SCIENCE**

- BOOKS :**
1. India and the Contemporary World-II
  2. Understanding Economic Development
  3. Social Science Contemporary
  4. Democratic Politics – II

MONTH	CHAPTERS	ACTIVITIES
APRIL	<ul style="list-style-type: none"> <li>● <b>HISTORY:</b> CH-2: Nationalism in India</li> <li>● <b>GEO:</b> CH-1: Resources and Development</li> <li>● <b>CIVICS:</b> CH-1: Power Sharing</li> <li>● <b>Economics:</b> Ch-1 Development</li> </ul>	<ul style="list-style-type: none"> <li>● <b>REPORT WRITING:</b> Prepare a report of Resources available in Your locality and suggest some ways for conservation &amp; preservation of these resources.</li> <li>● <b>PANEL DISCUSSION:</b> Assess/Appraise the</li> </ul>

		<p>contribution of Mahatma Gandhi in the Indian freedom struggle.</p> <ul style="list-style-type: none"> <li>● <b>MAP SKILL</b></li> <li>● <b>ASSIGNMENTS</b></li> </ul>
MAY	<ul style="list-style-type: none"> <li>● <b>GEO: CH-2:</b> Forest and Wildlife Resources</li> <li>● <b>GEO: CH-3:</b> Water resources</li> <li>● <b>CIVICS: CH-2:</b> Federalism</li> <li>● <b>REVISION</b></li> <li>● <b>PERIODIC TEST-1</b></li> </ul>	<ul style="list-style-type: none"> <li>● <b>CASE STUDY:</b> Students will select any one real life situation related to the topic. Write about the problem, challenges and also come up with the solutions.</li> <li>● <b>MAP SKILL</b></li> <li>● <b>ASSIGNMENTS.</b></li> </ul>
JULY	<ul style="list-style-type: none"> <li>● <b>GEO: CH-4:</b> Agriculture</li> <li>● <b>HISTORY: CH-1:</b> The Rise of Nationalism in Europe</li> <li>● <b>CIVICS: CH-3:</b> Gender, Religion and Caste</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Debate/ QUIZ:</b> Organizing Debates and Quiz on national challenges like</li> </ul>

	<ul style="list-style-type: none"> <li>● <b>Economics:</b> Ch- 2 Sectors of Indian Economy (contd.)</li> </ul>	<p>Population Explosion and Women Empowermen t.</p> <ul style="list-style-type: none"> <li>● <b>EXTEMPOR E:</b> Student will pick a topic from the bowl. They will start extempore by introducing themselves and about the topic.</li> <li>● <b>MAP SKILL</b></li> <li>● <b>ASSIGNME NT</b></li> </ul>
AUGUST	<ul style="list-style-type: none"> <li>● <b>HISTORY:</b> CH-3: The making of a Global World (subtopic 1.0- 1.3)</li> <li>● <b>CIVICS:</b> CH-4: Political Parties</li> <li>● <b>GEO:</b> CH-5: Minerals and energy Resources</li> <li>● <b>GEO:</b> CH-6: Manufacturing Industries</li> <li>● <b>Economics:</b> Ch-3 Money and Credits</li> </ul>	<ul style="list-style-type: none"> <li>● <b>INFOGRAP H:</b> Prepare an info-graph of Political Parties with details of origin, formation, agenda, expansion, role in India politics etc.</li> <li>● <b>PPT:</b> Student will make powerpoint presentation on the given</li> </ul>

		<p>topic and present in the class.</p> <ul style="list-style-type: none"> <li>● <b>MAP SKILL</b></li> <li>● <b>ASSIGNMENTS</b></li> </ul>
SEPTEMBER	<ul style="list-style-type: none"> <li>● <b>Revision</b></li> <li>● <b>MID TERM EXAMINATION</b></li> <li>● <b>Economics: Revision for Mid Term Exams</b></li> </ul>	<ul style="list-style-type: none"> <li>● Strength and weaknesses of Indian democracy</li> </ul>
OCTOBER	<ul style="list-style-type: none"> <li>● <b>CIVICS: CH-5:</b> Outcomes of Democracy</li> <li>● <b>HISTORY:CH-5:</b> Print Culture and the Modern world</li> <li>● <b>HISTORY: CH-4:</b> The Age of Industrialization</li> <li>● <b>Economics: Ch-4</b> Globalization (contd.)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>PPT:</b> Student will make powerpoint presentation on the given topic and present in the class.</li> <li>● <b>ASSIGNMENTS</b></li> </ul>
NOVEMBER	<ul style="list-style-type: none"> <li>● <b>GEO: CH-7:</b> Lifelines of National Economy (Only map pointing to be evaluated in the Board Examination)</li> <li>● <b>REVISION</b></li> <li>● <b>Economics: Ch-4</b> Globalization</li> </ul>	<ul style="list-style-type: none"> <li>● <b>PRACTICE QUESTIONS</b></li> </ul>
DECEMBER-ANUARY	<b>Revision &amp; Pre-Board-2</b>	<ul style="list-style-type: none"> <li>● <b>SAMPLE PAPERS</b></li> </ul>

## ARTIFICIAL INTELLIGENCE

**Book:** Touchpad Artificial Intelligence

<b>MONTH</b>	<b>CHAPTER</b>	<b>ACTIVITIES</b>
April – May	Part-A Unit-1 Communication Skills-I Unit-2 Self- Management Skills-I Unit-3 ICT Skills-I Unit-4 Entrepreneurial Skills-I	<ul style="list-style-type: none"><li>• Write down any six application software installed in your computer. Write a few lines about each.</li><li>• Read the autobiography of Mr. Bill Gates. Discuss how he became a successful entrepreneur. Make a list of his achievements in MS Word document.</li></ul>
July	Part-B Unit-1 Introduction to AI Part-B Unit-2 AI Project Cycle	<ul style="list-style-type: none"><li>• Pick your favorite AI domain for research. Make a presentation on at least ten features of the domain that distinguishes it from the other two domains.</li></ul>
August- September	Part-B Unit-3 Advanced Python Part-B Unit-4 Data Science	Write a Python code for the following: <ul style="list-style-type: none"><li>• To find the average of three numbers.</li><li>• To input a string and display the string in the reverse order.</li></ul>

October	Part-B Unit-5 Computer Vision Part-B Unit-6 Natural Language Processing	<ul style="list-style-type: none"><li>• Create a PowerPoint presentation to explain the various applications of NLP .Make separate slides for each application and use graphics also.</li></ul>
November	Part-B Evaluation	Create a list of distance traveled by a car in a week and calculate using statistics module: <ul style="list-style-type: none"><li>• Mean</li><li>• Median</li><li>• Mode</li></ul>