

**MOUNT COLUMBUS SCHOOL  
DAKSHINPURI, NEW DELHI – 62**

**PT- I Syllabus (2024-25)**

**CLASS IX**

**ENGLISH LANGUAGE & LITERATURE (184)**

**NAME OF THE BOOK: 1.BEEHIVE**

**2.MOMENTS**

**3. (PP PUBLICATIONS) CBSE ENGLISH  
LANGUAGE & LITERATURE PRACTICE BOOK**

**4. (GODAN) SUPPLEMENTARY READER**

**5.WORDS AND EXPRESSIONS-II**

<b><u>CHAPTERS</u></b>	<b><u>ACTIVITIES</u></b>
<b><u>BEEHIVE (PROSE)</u></b> CH-1 THE FUN THEY HAD (PT I) CH-2 THE SOUND OF MUSIC (PT I) CH-3. THE LITTLE GIRL	<b><u>(ART INTEGRATION)</u></b> CH-1- Make a project on the chapter- the fun they had. Include the following pointers in it:- A. Proper file B. Cover C. Index D. About the author E. Story with pictures F. Characters G. Difference between old v/s future school.
<b><u>BEEHIVE (POETRY)</u></b> POEM-1 THE ROAD NOT TAKEN (PT I) POEM-2 WIND (PT I) POEM-3 RAIN ON THE ROOF	
<b><u>MOMENTS</u></b> CH-1 THE LOST CHILD (PT I) CH-2 THE ADVENTURES OF TOTO	<b><u>CH-2- (ICT AND MUSIC INTEGRATION)</u></b> 1. Collect photographs of different musical instruments in your pen drives. A. Students will be taken to the music room/ guitar room.
<b><u>SUPPLEMENTARY READER</u></b> CHAPTER-1 TO 5	<b>2. (ART INTEGRATION)</b> Your school is organizing a musical concert. Prepare a poster for the concert.
<b><u>WRITING SKILLS</u></b> 1. DESCRIPTIVE PARAGRAPH (DESCRIBING A PERSON / EVENT / SITUATION) (PT I)	<b><u>CH-3. (MATHS AND ART INTEGRATION)</u></b> Students will make 2 dice and paste 6 different shapes on both of them. They will write the characters' name on it ie. Kezia, Kezia's father, Kezia's mother, Kezia's grandmother, Mr. Macdonald and Kezia's cook. Each child from 4 teams will roll the dice and the students from other team will give the character sketch for the same. No character sketch/adjective must be repeated. In a way they will learn synonyms of each word.
<b><u>GRAMMAR</u></b> 1. DETERMINERS (GAP FILLING) (PT I) 2. TENSES	<b><u>1.GRAMMAR- DETERMINERS (SPORTS INTEGRATION)- ENGLISH CHAIR GAME</u></b> Students will be taken to the ground where a teacher will write a sentence on the white board and students will have to write the answer and sit back to the seats provided.
<b><u>WORDS AND EXPRESSIONS</u></b> UNIT-1, 2 AND 3	<b>2. TENSES-</b> Focusing on enhancing students' Hand- eye coordination and Agility Skill, the teacher will teach Tenses topic with Cue Cards and Football to change academics in a sporty way.

**BLUE PRINT**

**Time: 1 Hour**

**Maximum Marks: 20**

	<b>1 Mark</b>	<b>2 Marks</b>	<b>3 Marks</b>	<b>4 Marks</b>	<b>Total</b>	<b>Percentage % Weightage</b>
<b>Section A: (5 marks)</b>						25
Unseen Passage	5	-	-	-	5	
<b>Section B : (7 marks)</b>				-		35
Descriptive Writing	-	-	1	-	3	
Grammar	4	-	-	-	4	
<b>Section C: (8 marks)</b>						40
Short Answer Question	-	2	-	-	4	
Long Answer Question	-	-	-	1	4	
<b>Total</b>	<b>9X1=9</b>	<b>2X2=4</b>	<b>1X3=3</b>	<b>4X1=4</b>	<b>20</b>	<b>100</b>

## हिंदी (085)

### पाठ्यपुस्तक-स्पर्श, संचयन और टुगेदर विथ-सीबीएसई क्लेशन बैंक

पाठ का नाम	क्रियाकलाप
<b>पाठ्यपुस्तक – स्पर्श</b> <b>गद्यखंड</b> पाठ-1. दुःख का अधिकार (PT-1) पाठ-2. एवरेस्ट : मेरी शिखर यात्रा पाठ-3. तुम कब जाओगे, अतिथि <b>काव्यखंड</b> पाठ- 7 रैदास: अब कैसे छूटे राम, नाम... ऐसी लाल तुझ बिनु (PT-1) पाठ-8 रहीम : दोहे <b>संचयन</b> पाठ-1. गिल्लू (PT-1) <b>टुगेदर विथ-सीबीएसई क्लेशन बैंक</b> <ul style="list-style-type: none"><li>● शब्द और पद (PT-1)</li><li>● अनुस्वार, अनुनासिक (PT-1)</li><li>● उपसर्ग</li><li>● प्रत्यय</li><li>● अपठित गद्यांश (PT-1)</li><li>● पत्र-लेखन और अनुच्छेद-लेखन (PT-1)</li></ul>	<ul style="list-style-type: none"><li>● पाठ में दर्शाए गए सामाजिक-आर्थिक मुद्दे पर प्रेजेंटेशन तैयार करें (आलोचनात्मक सोच कौशल-सामाजिक विज्ञान)</li><li>● पाठ की सचित्र समयरेखा बनाना (घटनाओं और दृश्यों का चित्रण -सामाजिक विज्ञान व गणित)</li><li>● मेज़बान से अपनी अप्रत्याशित यात्रा के लिए माफ़ी माँगते हुए पत्र लेखन (चरित्र दृष्टिकोण की समझ उत्पन्न होना)</li><li>● रहीम और कबीर के दोहों की गायन प्रतियोगिता</li><li>● मध्यकालीन भक्ति आंदोलन मने सम्मिलित भारतीय भक्ति संतों का मानचित्र पर वर्ष सहित सचित्र अंकन</li><li>● 'गिल्लू' पाठ के लिए माइंड मैप तैयार करें</li><li>● शब्द और पद में अंतर हेतु रोल-प्ले</li><li>● अनुस्वार और अनुनासिक में अंतर हेतु 'देखो, सोचो, आश्चर्य करो' गतिविधि का आयोजन</li><li>● गिल्लू, दुख का अधिकार और एवरेस्ट मेरी शिखर यात्रा पाठ में से उपसर्ग और प्रत्यय युक्त शब्दों को रेखांकित करना</li><li>● मौखिक और लिखित अभ्यास (कार्यपत्र के माध्यम से)</li></ul>

**प्रश्न-पत्र का प्रारूप**

समय: 1 घंटे

पूर्णांक: 20

क्रम संख्या	पाठ्य क्रमानुसार इकाइयां	इकाई पर आवंटित अंक	अंक वार प्रश्नों की संख्या			कुल प्रश्न
			1 अंक	2 अंक	3 अंक	
1	अपठित गद्यांश	5	3	1		1
2	<b>व्याकरणपरिचय</b> <ul style="list-style-type: none"> <li>• शब्द और पद</li> <li>• अनुस्वार, अनुनासिक</li> </ul>	2 2	2 2			2
3	<b>पाठ्यपुस्तिक</b> <b>गद्यखंड</b> पाठ-1. दुःख का अधिकार (PT-1) <b>काव्य खंड</b> पाठ- 7 रैदास: अब कैसे छूटे राम, नाम... ऐसी लाल तुझ बिनु (PT-1) <b>संचयन</b> पाठ-1. गिल्लू (PT-1)	3  3  2		3   1		2
4	पत्र और अनुच्छेद लेखन	3	-		1	1
	<b>योग</b>	<b>20</b>	<b>7X1=7</b>	<b>5X2= 10</b>	<b>1X3=3</b>	<b>06</b>

## Mathematics

NAME OF THE BOOK: Mathematics (NCERT) and Mathematics (RS Aggarwal)

Name of the chapter	Lab Activity
Chapter 1: Number System	To Represent Irrational Numbers on the number line.
Chapter 3: Coordinate Geometry	To plot the points in a certain plane by the Activity method and obtain the mirror image of a geometrical figure with respect to a x-axis and y-axis.
Chapter 6: Lines and Angles	To prove when a transversal line cuts two parallel lines. (a) Pair of corresponding angles are equal.  (b) Pair of alternate angles are equal.  (c) Interior angles on the same side of a transversal are equal.
Chapter 11: Surface Areas and Volumes	(a) To derive the formula for the total surface area of a cuboid. (b) To give a suggestive demonstration of the formula for the volume of a sphere in terms of its radius.

### BLUEPRINT

Time: 1 Hours

Maximum Marks: 20

S.No	CHAPTERS	Objective Questions (1Mark)	Very Short Questions (2 Marks)	Short Questions (3 Marks)	Source Based Questions (4 Marks)	Long Questions (5 Marks)	Total Marks	Percentage (%) Weightage
1.	Chapter 1: Number System	1	-	1	-	-	4	20
2.	Chapter 3: Coordinate Geometry	1	1	-	-	-	3	15
3.	Chapter 6: Lines and Angles	1	1	-	-	1	8	40
4.	Chapter 11: Surface Areas and Volumes	1	-	-	1	-	5	25
Total		1X4=4	2X2=4	3X1=3	4X1=4	5X1=5	20	100

**SUBJECT – SCIENCE (086)****NAME OF THE BOOK: NCERT SCIENCE****V.K SCIENCE PHYSICS****V.K SCIENCE CHEMISTRY****V.K SCIENCE BIOLOGY**

<b>SUBJECT</b>	<b>CHAPTERS</b>	<b>ACTIVITY / EXPERIMENT</b>
PHYSICS	Ch-8, Motion (PT-1)	<b><u>ACTIVITY</u></b> <ul style="list-style-type: none"><li>● To demonstrate the distance and displacement in school by covering the perimeter of a square/Rectangle and the diagonal of the same.</li><li>● To narrate a story to explain the topics given in the chapter like speed, velocity etc</li></ul>
CHEMISTRY	Ch-1, Matter in our Surrounding (PT-1)  Ch-2, Is matter around us pure	<b><u>ACTIVITY</u></b> <ul style="list-style-type: none"><li>● Conduct a Roohafza party to demonstrate the characteristics of particles of matter,</li><li>● Gamification to explain the contrasting features of the states of matter.</li></ul> <b><u>EXPERIMENT</u></b> <ul style="list-style-type: none"><li>● Determination of the melting point of ice and boiling point of water.</li></ul> <b><u>ACTIVITY</u></b> <ul style="list-style-type: none"><li>● To show the difference between homogeneous and heterogeneous solutions with the help of sugar solution and lemonade.</li><li>● Prepare the Mind map of the chapter.</li></ul> <b><u>EXPERIMENT</u></b> <ul style="list-style-type: none"><li>● Preparation of:<ul style="list-style-type: none"><li>(a) A true solution of common salt, sugar and alum.</li><li>(b) A suspension of soil, chalk powder and fine sand in water.</li><li>(c) A colloidal solution of starch in water and egg albumin/ milk in water and distinction between these on the basis of<ul style="list-style-type: none"><li>● Transparency</li><li>● Filtration criterion</li><li>● Stability</li></ul></li></ul></li><li>● Preparation of<ul style="list-style-type: none"><li>(a) A mixture</li><li>(b) A compound</li></ul>Using iron fillings and Sulphur powder and the distinction between these on the basis of<ul style="list-style-type: none"><li>● Appearance</li><li>● Behavior towards a magnet</li><li>● Behavior towards carbon disulphide as a solvent</li><li>● Effect of heat</li></ul></li><li>● Performing the following reactions and classify them as physical or chemical change<ul style="list-style-type: none"><li>(a) Iron with copper sulphate solution in water</li><li>(b) Burning of magnesium ribbon in air.</li><li>(c) Zinc with dilute sulphuric acid.</li></ul></li></ul>

		(d) Heating of Copper sulphate crystals. (e) Sodium sulphate with barium chloride in the form of their solutions in water.
BIOLOGY	Ch-5, The Fundamental Unit of Life (PT-1)	<b><u>ACTIVITY</u></b> <ul style="list-style-type: none"> <li>● Prepare a small skit to demonstrate the process of osmosis in different types of solutions.</li> <li>● Diagrammatically represent the relation of the cell components with the school staff members.</li> </ul> <b><u>EXPERIMENTS</u></b> Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams.

### **BLUEPRINT**

**Time:1 Hours**

**Maximum Marks:20**

S.No	CHAPTERS	Objective Questions (1Mark)	Very Short Questions (2 Marks)	Short Questions (3 Marks)	Source Based Questions (4 Marks)	Long Questions (5 Marks)	Total Marks	Percentage (%) Weightage
1	Ch-1 Matter in Our Surroundings	1	1	1	-	-	6	30
3	Ch- 5 The Fundamental Unit of Life	1	1	-	1	-	7	35
4	Ch- 8 Motion	2	-	-	-	1	7	35
<b>Total</b>		<b>1X4=4</b>	<b>2X2=4</b>	<b>3X1=3</b>	<b>4X1=4</b>	<b>5X1=5</b>	<b>20</b>	<b>100</b>

**SUBJECT- SOCIAL SCIENCE (087)**

**Name of the Book: India and the Contemporary World-I / Contemporary India-I/  
Democratic Politics-I/Economics (NCERT)**

CHAPTERS	ACTIVITIES
<b>HISTORY</b>	
Ch-1. The French Revolution	1. Mind Map 2. Map Work 3. Performing Art – Song
<b>GEOGRAPHY</b>	
Ch-1. India-Size and Location (PT 1)	1. Map work and Graph Work
Ch-2. Physical Features of India (PT 1)	1. Flow Chart and Map Work
<b>ECONOMICS</b>	
Ch-1. The Story of Village Palampur (PT 1)	1. Picture Description 2. Survey Report
<b>POLITICAL SCIENCE</b>	
Ch-1. What is Democracy? Why Democracy? (PT 1)	1. Power-point Presentation (Group Activity)

**BLUEPRINT****TIME: 1 Hr.****MAX. MARKS: 20**

S. No.	Name of the Chapters	MCQ (1 Mark)	Short Type Question (3 Marks)	Source Based Question (4Marks)	Long Question (5Marks)	Total Marks	Percentage (%) Weightage
1	<b>Ch-1</b> : India-Size and Location	2	1			5	25
2	<b>Ch-2</b> : Physical Features of India	1		1		5	25
3	<b>Ch-1</b> : The Story of Village Palampur	1		1		5	25
4	<b>Ch-1</b> : What is Democracy? Why Democracy?				1	5	25
	<b>Total</b>	<b>1 x 4 =04</b>	<b>3 x 1 = 03</b>	<b>4x2=08</b>	<b>5 x 1 =05</b>	<b>20</b>	<b>100</b>



## Artificial intelligence (SUBJECT CODE - 417)

**Name of The Book: Kips Artificial Intelligence**

CHAPTER	Activity/Practical
<b>Unit I Communication Skills I</b> 1 Communication Cycle 2 Methods of Communication 3 Perspectives in Communication 4 Basic Writing In Communication	<ul style="list-style-type: none"> <li>• Make a poster on anger management.</li> <li>• Draw a diagram of communication cycle</li> </ul>
<b>Unit II Self-Management Skills I</b> 5 Importance of Self-Management 6 Developing Self Confidence	<ul style="list-style-type: none"> <li>• Strength and weakness analysis</li> <li>• Preparing a write-up on an essay on experiences during a holiday trip</li> </ul>
<b>PART B</b>	
Unit 1 Introduction to AI	Ice Breaker Activity: Dream Smart Home idea <ul style="list-style-type: none"> <li>• Learners to design a rough layout of floor plan of their dream smart home.</li> <li>• Recommended Activity: Make a statement about lighting and LUIS will interpret and adjust the house accordingly.</li> </ul> Activity: The AI Game <ul style="list-style-type: none"> <li>• Learners to participate in three games based on different AI domains. – Game 1: Rock, Paper and Scissors (based on data) ( <a href="https://next.rockpaperscissors.ai/">https://next.rockpaperscissors.ai/</a> ) – Game 2: Semantris (based on Natural Language Processing - NLP) ( <a href="https://research.google.com/semantris/">https://research.google.com/semantris/</a> )</li> <li>Game 3: Quick Draw (based on Computer Vision - CV) (<a href="https://quickdraw.withgoogle.com/">https://quickdraw.withgoogle.com/</a>)</li> </ul>

### BLUE PRINT

**TIME: 1 Hr.**

**MAX. MARKS: 20**

CHAPTERS	MCQ(1 Marks)	Short Answer Question(2 Marks)	Long Answer Question(4 Marks)	Total	Percentage (%) Weightage
Communication Skills-I	1	1	-	3	15
Self-Management Skills-I	1	1	-	3	15
Introduction to AI	6	2	1	14	70
<b>Total</b>	<b>1x8=8</b>	<b>2x4=8</b>	<b>4x1=4</b>	<b>20</b>	<b>100</b>

## INFORMATION TECHNOLOGY-402

Name of The Book-Basics of Information Technology

<b>PART A- Employability skills</b>	<b>Activity/Practical</b>
<b>Unit I Communication Skills I</b> 1 Communication Cycle 2 Methods of Communication 3 Perspectives In Communication 4 Basic Writing In Communication	<ul style="list-style-type: none"> <li>• Make a poster on anger management.</li> <li>• Draw a diagram of communication cycle</li> </ul>
<b>Unit II Self-Management Skills I</b> 5 Importance of Self-Management 6 Developing Self Confidence	<ul style="list-style-type: none"> <li>• Strength and weakness analysis</li> <li>• Preparing a write-up on an essay on experiences during a holiday trip</li> </ul>
<b>PART B- Subject Specific Skills</b>	
Unit I Introduction To IT-Ites Industry 1 Applications Of IT In Ites Industry	Find out about BPO industry with respect to these: a. Major countries who outsource work. b. Major BPO countries c. Revenue earned per year by it Create an MS Word document and your answer, as well as quote your source. (Subject Enrichment)
Unit III Digital Documentation 4 Create A Document Using Word Processor 5 Apply Editing Features 6 Apply Formatting Features 7 Create And Work With Tables 8 Understand And Apply Mail Merge 9 Using The Print Option	<ul style="list-style-type: none"> <li>• Prepare a document on ‘Word Processor’. While creating the document, avoid rewriting of same text and text it in the document using ‘Copy-Paste’ method.</li> <li>• Create a table on ‘Generation of computer’ in OpenOffice writer</li> </ul>

### BLUE PRINT

**Time – 1 Hours.**

**Maximum Marks-20**

CHAPTERS	MCQ(1 Marks)	Short Answer Question(2 Marks)	Long Answer Question(4 Marks)	Total	Percentage (%) Weightage
Communication Skills-I	1	1	-	3	15
Self-Management Skills-I	1	1	-	3	15
Introduction To IT-Ites Industry	3	1	-	5	25
Digital Documentation	3	1	1	9	45
<b>Total</b>	<b>1x8=8</b>	<b>2x4=8</b>	<b>4x1=4</b>	<b>20</b>	<b>100</b>

**SUBJECT-ART EDUCATION/WORK EDUCATION**

**BOOK—CANVAS-A BOOK OF FINE ARTS**

1. **INTRODUCTION:** What is colour? – Primary, Secondary, Tertiary, Warm and Cool Colours (Theory)
2. **Major Art Forms of India:** Pattachitra, Madhubani Painting, Gond Art, Kalamkari, Warli Art, Phad Paintings (Theory)
3. **UNIT-8 ART HISTORY:** Wizar’s Dance-Bhimbetka Caves, Ajanta Art, ‘Three Girls’ by Amrita Sher-Gil, Great Artists of India- Gaganendranath Tagore, Jamini Roy, Abanindranath Tagore, M.F. Husain, Raja Ravi Varma (Theory)

**SUBJECT- WORK EDUCATION**

1. Texture Art on Canvas
2. Newspaper Craft
3. Pot Painting