SYLLABUS CLASS IX

Session 2020-2021

SUBJECT- MATHEMATICS

Books: NCERT Recommended Book

Month	Content	Chapter
APRIL	1. Number Systems	Introduction, Irrational Numbers, Real Numbers and their Decimal Expansions, Representing Real Numbers on the Number Line, Operations on Real Numbers, Laws of Exponents for Real Numbers.
	2. Polynomials	Introduction, Polynomials in One Variable, Zeroes of a Polynomial, Remainder Theorem, Factorisation of Polynomials, Algebraic Identities.

SUBJECT- BENGALI

Books: 1. সাহিত্য সঞ্য়ৰ

2. আম আঁটির ভেঁপু

3. প্রবেশিকা ব্যাক্রণ

MONTH	SECTIONS	DETAILS/ NAME OF CHAPTERS
APRIL	1. সাহিত্য সঞ্মূন	গদ্য – ছুটি
	2. ব্যাক্রণ	ষ্বরসন্ধি
	3. আম আঁটির ভেঁপু	অধ্যায়-১, ২

SUBJECT- ENGLISH

Books: NCERT Recommended Book

MONTH	SECTIONS	DETAILS/ NAME OF CHAPTERS	
APRIL	READING	Comprehension passages	
	WRITING	Story writing	
	LITERATURE	PROSE:	
		The Fun They Had	
		 The Sound of Music (I and II) 	
		The Lost Child	
		The Adventures of Toto	
		POETRY:	
		The Road Not Taken	
		Wind	

WORDS AND	Chapter 1 and 2
EXPRESSIONS	

SUBJECT-SOCIAL SCIENCE

Books: NCERT Recommended Book

Month	Content	Chapter	
ADDU		History: The French Revolution. Civics: Why Democracy? What is	
APRIL		Democracy?	
		Geography: India - Size and Location	
		Economics: The Story of village Palampur	

SUBJECT-SCIENCE

Books: NCERT Recommended Book

Month	Content	Chapter
	Matter In Our Surroundings	Chapter -1
APRIL	The Fundamental Unit Of Life	Chapter - 5
	Motion	Chapter -8

SUBJECT- INFORMATION TECHNOLOGY

Books: NCERT Recommended Book

MONTH	SECTIONS	DETAILS/ NAME OF CHAPTERS
		Introduction
	Unit 1: - Communication	Session 1: Communication Cycle
	Skills	Session 2: Importance of Communication Skills
		Session 3: Methods of communication
		Session 4: Perspectives of communication
		Session 5: Writing Skills
		Introduction
	Chapter 2: Self	Session 1: Self-Management
	Management Skills-I	Session 2: Positive results of Self-Management
		Session 3: Self-management skills
		Session 4: Self-confidence
		Session 5: Positive factors of self-confidence
APRIL		Session 6: Self-confidence building tips
	Chapter 3: Basic ICT Skills-I	Introduction
		Session 1: Role and benefits of ICT
		Session 2: ICT Tools
		Session 3: Basic Components of a computer System
		Session 4: Operating System
		Session 5: Common Desktop Operations
		Session 6: Working with Files and Folders

Session 7: Starting and shutting down a computer
Session 8: Internet
Session 9: Email Applications
Session 10: Introduction to Social Media
Session 11: Digital India

SUBJECT- ARTIFICIAL INTELLIGENCE

Books: NCERT Recommended Book

MONTH	SECTIONS	DETAILS/ NAME OF CHAPTERS	
APRIL	UNIT 1: - INTRODUCTION TO AI	Introduction to AI: -Definition, Philosophy of AI, Goals of AI, History of AI, AI Technique, Applications of AI, Working of AI, What is a Smart Home? How it Look? Learners to design a rough layout of floor plan of their dream smart home. Three Domains of AI: Data Domain of AI: Definition, Does AI need data? How it works based on Data? Game based on data domain of AI: - Introduction to Rock, Paper and Scissors game, Some rules, Link to play Rock Paper Scissors game Online. Image Domain of AI: Definition: Image Processing & Computer Vision, Comparison between Image Processing and Computer vision, How Image Processing Works? How Image Processing done? Where Image Processing Used? Language best suited for Image Processing. Game based on Image domain of AI Emoji Scavenger Hunt, Link to play Emoji Scavenger Hunt game Online. Activity: Introduction to programming using Online Gaming portals like Code Combat. Session: Introduction to Python language, Introducing python programming and its Applications.	
	UNITIV: INTRODUCTION TO PYTHON		

SUBJECT- SANSKRIT

Books: NCERT Recommended Book

MONTH	DETAILS/ NAME OF CHAPTERS
April	एकः गद्यात्मकः खण्डः , पत्र-लेखनम् , चित्राधारितम् वर्णनम्/अनुच्छेदलेखनम् , अनुवादः(संस्कृतभाषायाम्)
	*स्वरन्धिः- दीर्घः, गुण, वृद्धिः, यण्, अयादि * शेमुषी -प्रथमः पाठः — <u>भारतीवसन्तगीतिः (केवलं पठनार्थं न परीक्षाकृते)</u> - द्वितीयः पाठः- स्वर्णकाकः

SUBJECT – HINDI

Books: क्षितिज-। एवं कृतिका-। (NCERT)

प्रथम सत्र PRE-MID TERM PORTION			
MONTH	CHAPTER		
	व्याकरण / लेखन क्षितिज + कृतिका		
APRIL	1.3पसर्ग, 2. प्रत्यय, पत्र लेखन,निबंध लेखन,	1.दो बैलों की कथा, 9.साखियाँ एवं सबद भाग-।,	
		10.वाख,	