



**BLOOM PUBLIC SCHOOL**  
**C-8 Vasant Kunj, New Delhi**  
**Syllabus for the Session 2025-26**

**Class: IX**

**Subject: AI**

**SYLLABUS**

<b>MONTH</b>	<b>CHAPTER ( NCERT Text book)</b>	<b>CONTENT (Topics)</b>	<b>Practical/Activities</b>
<b>April</b>	<b>Subject Specific:</b> Unit 1- AI Reflection, Project Cycle & Ethics	To identify & appreciate AI & its applications in daily life. To recognize, engage & relate with the 3 realms of AI. Identify the AI Project Cycle in detail.	Exploring the different domains of AI through respective Games.
<b>May</b>	<b>Employability Skills:</b> Unit 1 - Communication skills-1  <b>Subject Specific</b> Unit 5- Introduction to Python	Introduction to Communication, Verbal Communication, Non-Verbal Communication, Writing Skills: Parts of Speech, Writing Skills: Sentences, Pronunciation Basics, Greetings and Introduction, Talking about Self, Asking Questions  Understanding Algorithm, Flowchart. Understanding Python, getting started with Python, different modes of Python, difference between comments & statements.	Getting started with Python, different modes of Python. Basic programs
<b>July</b>	<b>Subject Specific</b> Unit 1 – AI Reflection, Project Cycle & Ethics  Unit 5 - Introduction to Python <b>Employability Skills</b> Unit 2: Self-Management Skills-I	Problem Scoping, Data Acquisition, Data Exploration, Modelling  Python Basics Python Basics (Variables, Arithmetic Operators, Expressions, Data Types – integer, float, strings, using print() and input() functions)  Introduction to Self-management, Strength and Weakness Analysis, Self-confidence, Positive Thinking, Personal Hygiene, Grooming	Revising Python Basics + programming, briefing about different Data Types
<b>August</b>	Unit 2 – Data Literacy	<ul style="list-style-type: none"> <li>Basics of Data Literacy</li> <li>Acquiring Data, Processing, and Interpreting Data</li> </ul>	

	Unit 5 - Introduction to Python	<ul style="list-style-type: none"> <li>Project Interactive Data Dashboard &amp; Presentation</li> </ul>	Practicing programs with through user inputs
<b>September</b>	<b>Subject Specific –</b> Unit 2 – Data Literacy Unit 5 – Introduction to Python  <b>Employability skills –</b> Unit 3 – ICT skills	Project Interactive Data Dashboard & Presentation Learn basic programming skills Introduction to ICT, ICT Tools: Smartphones and Tablets, Parts of Computer and Peripherals, Basic Computer Operations, Performing Basic File Operations, Communication and Networking, Basics of Internet, Communication and Networking	Mid Term Practical Examination
<b>October</b>	Unit 3 – Math for AI  Unit 5 – Introduction to Python (Lists & Tuple)	<ul style="list-style-type: none"> <li>Importance of Math in AI</li> <li>Statistics</li> <li>Probability</li> </ul> Introduction to Lists, Creating Lists, Adding / Removing elements to lists	Python program using Lists & various operations on the same
<b>November</b>	<b>Subject Specific:</b> Unit 3 – Math for AI  Unit 4 – Introduction to Python (Lists & Tuple)  <b>Employability skills –</b> Unit 4 – Entrepreneurial Skills-I	<ul style="list-style-type: none"> <li>Importance of Math in AI</li> <li>Statistics</li> <li>Probability</li> </ul> Intro to Tuple, creating Tuple, Type Conversion, Python Dictionary Functions What is Entrepreneurship? Role of Entrepreneurship, Qualities of a Successful Entrepreneur, Distinguishing Characteristics of Entrepreneurship and Wage Employment, Types of Business Activities, Product, Service and Hybrid Businesses, Entrepreneurship Development Process.	Python program using Lists & various operations on the same
<b>December</b>	<b>Subject Specific -</b> Unit 4 – Introduction to Generative AI Unit 5 - Introduction to Python	<ul style="list-style-type: none"> <li>Definition and Overview</li> <li>Applications and Use cases</li> </ul> Flow of Controls & Conditions	Python programs using conditional statement + looping statements

	<b>Employability skills –</b> Unit 5: Green Skills-I	Society and Environment, Conserving Natural Resources, Sustainable Development and Green Economy.	
<b>January</b>	<b>Subject Specific –</b> – Introduction to Python	Flow of Controls & Conditions	Python programs using looping statements
<b>February</b>	<b>Revision</b> <b>Employability Skills –</b> Unit 1: Communication Skills-I Unit 2: Self-Management Skills-I Unit 3: ICT Skills-I Unit 4: Entrepreneurship Skills Unit 5: Green Skills-I <b>Subject specific skills:</b> Unit 1: AI Reflection, Project Cycle and Ethics Unit 2: Data Literacy Unit 3: Math for AI (Statistics & Probability) Unit 4 - Introduction to Generative AI Unit 5: Introduction to Python		Practical Examination
<b>ASSESSMENT SYLLABUS</b>			
<b>PERIODIC ASSESSMENT -1</b>		<b>Subject Specific:</b> Unit 1: AI Reflection, Project Cycle and Ethics Unit 5: Introduction to Python <b>Employability Skills:</b> Unit 1 - Communication skills-1	
<b>PERIODIC ASSESSMENT -2</b>		<b>Subject specific skills:</b> Unit 2 – Data Literacy Unit 5 – Introduction to Python (Lists & Tuple) <b>Employability Skills:</b> Unit 4: Entrepreneurship Skills	
<b>MID TERM EXAM</b>		<b>Subject specific skills:</b> Unit 1: AI Reflection, Project Cycle and Ethics Unit 5 : Introduction to python Unit 2 – Data Literacy <b>Employability Skills:</b> Unit 1: Communication Skills Unit 2: Self-Management Skills- Unit 3: ICT Skills	

<b>FINAL EXAMINATION</b>	<b>Employability Skills –</b> Unit 1: Communication Skills-I Unit 2: Self-Management Skills-I Unit 3: ICT Skills-I Unit 4: Entrepreneurship Skills Unit 5: Green Skills-I <b>Subject specific skills:</b> Unit 1: AI Reflection, Project Cycle and Ethics Unit 2: Data Literacy Unit 3: Math for AI (Statistics & Probability) Unit 4 - Introduction to Generative AI Unit 5: Introduction to Python	
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