



**BLOOM PUBLIC SCHOOL**  
**VASANT KUNJ, NEW DELHI**

**SYLLABUS: 2024-2025**

**SUBJECT: ARTIFICIAL INTELLIGENCE (417)**

**CLASS: IX**

<b>TERM 1</b>		
<b>MONTH</b>	<b>CHAPTERS</b>	<b>CONTENT</b>
<b>April</b>	<b>Subject Specific:</b> Unit 1- Introduction to Artificial Intelligence (AI)	Artificial Intelligence and its applications in daily life, skills required for futuristic job opportunities, impact of Artificial Intelligence on Sustainable Development Goals to develop responsible citizenship, skills required for jobs of the future, skills required for the futuristic opportunities, effective communication and collaborative work skills, awareness around AI bias and AI access, ethical issues around AI
<b>May</b>	<b>Employability Skills:</b> Unit 1 - Communication skills-1  <b>Subject Specific</b> - 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.
<b>July</b>	<b>Subject Specific</b> Unit 1 – AI Project Cycle  Unit 4 - 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

<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> <li>• Project Interactive Data Dashboard &amp; Presentation</li> </ul>
<b>September</b>	Subject Specific – Unit 2 – Data Literacy – Introduction to Python  Employability skills – 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
<b>TERM - II</b>		
<b>October</b>	Unit 3 – Math for AI  – Introduction to Python (Lists & Tuple)	<ul style="list-style-type: none"> <li>• Importance of Math in AI</li> </ul> Introduction to Lists, Creating Lists, Adding / Removing elements to lists
<b>November</b>	Subject Specific: -  Unit 3 – Math for AI  – Introduction to Python (Lists & Tuple)	<ul style="list-style-type: none"> <li>• Statistics</li> <li>• Probability</li> </ul> Intro to Tuple, creating Tuple, Type Conversion, Python Dictionary Functions
<b>December</b>	Subject Specific - Unit 4 – Introduction to Generative AI  Unit 4 – Entrepreneurial Skills-I Unit 5: Green Skills-I	<ul style="list-style-type: none"> <li>• Definition and Overview</li> <li>• Applications and Use cases</li> </ul> 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. Society and Environment, Conserving Natural Resources, Sustainable Development and Green Economy.
<b>January</b>	Subject Specific – – Introduction to Python	Flow of Controls & Conditions

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

<b>ASSESSMENT SYLLABUS</b>	
<b>PERIODIC ASSESSMENT -I</b>	<p><b>Subject Specific:</b></p> <p>Unit 1: AI Reflection, Project Cycle and Ethics</p> <p>Unit 2: Data Literacy</p> <p>Unit 3: Math for AI (Statistics &amp; Probability)</p> <p>Unit 4 - Introduction to Generative AI</p> <p>Unit 5: Introduction to Python</p> <p><b>Employability Skills:</b></p> <p>Unit 1 - Communication skills-1</p>
<b>TERM - I</b>	<p><b>Subject specific skills:</b></p> <p>Unit 1: AI Reflection, Project Cycle and Ethics : Introduction to python</p> <p><b>Employability Skills:</b></p> <p>Unit 1: Communication Skills</p> <p>Unit 2: Self-Management Skills-I</p> <p>Unit 3: ICT Skills</p>
<b>PERIODIC ASSESSMENT -II</b>	<p><b>Subject specific skills:</b></p> <p>Unit 2 – Data Literacy – Introduction to Python (Lists &amp; Tuple)</p> <p><b>Employability Skills:</b></p> <p>Unit 4: Entrepreneurship Skills</p>
<b>TERM - II</b>	<p><b>Employability Skills –</b></p> <p>Unit 1: Communication Skills-I</p> <p>Unit 2: Self-Management Skills-I</p> <p>Unit 3: ICT Skills-I</p> <p>Unit 4: Entrepreneurship Skills</p> <p>Unit 5: Green Skills-I</p> <p><b>Subject specific skills:</b></p> <p>Unit 1: AI Reflection, Project Cycle and Ethics</p>

	Unit 2: Data Literacy
	Unit 3: Math for AI (Statistics & Probability)
	Unit 4 - Introduction to Generative AI
	Unit 5: Introduction to Python