



BLOOM PUBLIC SCHOOL
C-8 Vasant Kunj, New Delhi
Syllabus for the Session 2026-27

Class: IX

Subject: ARTIFICIAL INTELLIGENCE

SYLLABUS

MONTH	CHAPTER	CONTENT (Topics)	Practical/Activities
April	Subject Specific: Unit 1- AI Reflection, Project Cycle & Ethics	<ul style="list-style-type: none"> • Understanding AI: Domains and Applications • The AI Project Cycle 	Exploring the different domains of AI through respective Games.
May	Employability Skills: Unit 1 - Communication skills-1 Subject Specific: Unit 1- AI Reflection, Project Cycle & Ethics Unit 5- Introduction to Python	<ul style="list-style-type: none"> • Introduction to Communication, different types, cycle. • Introduction, Talking about Self. • AI Ethics- II • 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
July	Subject Specific: Unit 1 – AI Reflection, Project Cycle & Ethics Unit 5 - Introduction to Python Employability Skills: Unit 2: Self-Management Skills-I	<ul style="list-style-type: none"> • AI – Domains & its applications. • Importance of Project Cycle. • Ethics, Morality. • 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
August	Subject Specific: Unit 2 – Data Literacy Unit 5 - Introduction to Python	<ul style="list-style-type: none"> • Basics of Data Literacy • Acquiring Data, Processing, and Interpreting Data • Project Interactive Data Dashboard & Presentation 	Practicing programs with through user inputs

September	<p>Subject Specific: Unit 2 – Data Literacy Unit 5 – Introduction to Python</p> <p>Employability skills: Unit 3 – ICT skills</p>	<ul style="list-style-type: none"> • Project Interactive Data Dashboard & Presentation • Learn basic programming skills • Introduction to 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
October	<p>Subject Specific: Unit 3 – Math for AI</p> <p>Unit 5 – Introduction to Python (Lists & Tuple)</p>	<ul style="list-style-type: none"> • Importance of Math in AI • Statistics • Probability • Introduction to Lists, Creating Lists, Adding / Removing elements to lists 	Python program using Lists & various operations on the same
November	<p>Subject Specific: Unit 3 – Math for AI</p> <p>Unit 4 – Introduction to Python (Lists & Tuple)</p> <p>Employability skills: Unit 4 – Entrepreneurial Skills-I</p>	<ul style="list-style-type: none"> • Importance of Math in AI • Statistics • Probability • Intro to Tuple, creating Tuple, Type Conversion, Python Dictionary, Functions • What is Entrepreneurship? Role, Qualities, Characteristics of Entrepreneurship, Wage Employment, Types of Business Activities, Product, Service and Hybrid Businesses, Entrepreneurship Development Process. 	Python program using Lists & various operations on the same
December	<p>Subject Specific: Unit 4 – Introduction to Generative AI Unit 5 - Introduction to Python</p> <p>Employability skills: Unit 5: Green Skills-I</p>	<ul style="list-style-type: none"> • Definition and Overview • Applications and Use cases • Flow of Controls & Conditions • Society and Environment, Conserving Natural Resources, Sustainable Development and Green Economy. 	Python programs using conditional statement + looping statements
January	<p>Subject Specific:</p> <ul style="list-style-type: none"> • Revision • Introduction to Python 	<ul style="list-style-type: none"> • Flow of Controls & Conditions 	Practical Examination
February	Revision + Examination		

ASSESSMENT SYLLABUS

PERIODIC ASSESSMENT -1	Subject Specific: Unit 1: AI Reflection, Project Cycle and Ethics Unit 5: Introduction to Python Employability Skills: Unit 1 - Communication skills-1
PERIODIC ASSESSMENT -2	Subject specific skills: Unit 2 – Data Literacy Unit 5 – Introduction to Python (Lists & Tuple) Employability Skills: Unit 4: Entrepreneurship Skills
MID TERM EXAM	Subject specific skills: Unit 1: AI Reflection, Project Cycle and Ethics Unit 5 : Introduction to python Unit 2 – Data Literacy Employability Skills: Unit 1: Communication Skills Unit 2: Self-Management Skills- Unit 3: ICT Skills
FINAL EXAMINATION	Employability Skills – 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 Subject specific skills: 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