



BLOOM PUBLIC SCHOOL
C-8, VASANT KUNJ, NEW DELHI
SYLLABUS FOR SESSION 2023-2024
SUBJECT: Data Science
CLASS: IX

TERM-1 SYLLABUS		
MONTH	CHAPTERS (NCERT TEXT BOOK)	CONTENT (As per Rationalised Syllabus)
April	Unit 1: Communication Skills I (Subject Specific) Unit 1: Introduction to Data Science	Introduction to Communication Verbal Communication, Non-Verbal Communication, Writing Skills: Parts of Speech, Writing Skills: Sentences, What is data? Data vs Information DIKW model How does data influence our lives?
May	Unit 1: Communication Skills I Unit 1: Introduction to Data Science	Pronunciation Basics, Greetings and Introduction, Talking about Self, Asking Questions What are data footprints? Data loss and recovery
July	Unit 2: Self-Management Skills-I (Subject Specific) Unit 2: Arranging and collecting data	Introduction to Self-management, Strength and Weakness Analysis. Self-confidence, Positive Thinking, Personal Hygiene, Grooming What is data collection? What are variables? What are the different types of data? What are data sources?

August	Unit 3: ICT Skills-I (Subject Specific) Unit 2: Arranging and collecting data	Introduction to ICT, ICT Tools: Smartphones and Tablets, Parts of Computer and Peripherals, Basic Computer Operations What is big data? Asking questions on data? Univariate vs multivariate
September	Unit 3: ICT Skills-I	Performing Basic File Operations, Communication and Networking, Basics of Internet, Communication and Networking

TERM-2 SYLLABUS

MONTH	CHAPTERS (NCERT TEXT BOOK)	CONTENT (As per Rationalised Syllabus)
October	Unit 3: Data Visualizations – Part 1 Employability Skills- Unit 4: Entrepreneurial Skills-I	The importance of visualization Plotting data Histograms Use of shapes Use of single and multivariable plots What is Entrepreneurship? Role of Entrepreneurship, Qualities of a Successful Entrepreneur, Distinguishing Characteristics of Entrepreneurship and Wage Employment
November	Unit 4: Ethics in Data Science Employability Skills-Unit 4: Entrepreneurial Skills-I	Ethical guidelines around data analysis Need for ethical guidelines in data analysis Goals of ethical guidelines in data analysis Data governance framework Why do we need to govern data? Goals of data governance Types of Business Activities, Product, Service and Hybrid Businesses, Entrepreneurship Development Process

December	Unit 4: Ethics in Data Science Employability Skills Unit 5: Green Skills-I	Ethical guidelines around data analysis Need for ethical guidelines in data analysis Goals of ethical guidelines in data analysis Society and Environment, Conserving Natural Resources, Sustainable Development and Green Economy
January	Project	
February	Revision	
March	TERM-2 Exam	

Assessment Syllabus	
PERIODIC ASSESSMENT -1	Subject specific skills: Unit 1: Introduction to Data Science Employability Skills- Unit 1: Communication Skills
TERM-1 EXAM	Subject specific skills: Unit 1: Introduction to Data Science Unit 2: Arranging and collecting data Employability Skills: Unit 1: Communication Skills Unit 2: Self-Management Skills-I Unit 3: ICT Skills
PERIODIC ASSESSMENT -2	Employability Skills- Unit 4: Entrepreneurial Skills-I Subject specific Skills- Unit 3: Data Visualizations – Part 1
FINAL EXAMINATION	Subject specific skills: Unit 1: Introduction Unit 2: Arranging And Collecting Data Unit 3: Data Visualizations – Part 1 Unit 4: Ethics in Data Science