



*Sir Padampat Singhania Education
Centre*

Kamla Nagar, Kanpur

Lesson Plan
Session 2026 - 2027
Class: VII

Subject: Computers

Book: Tech Bugs, Computational Thinking and Artificial Intelligence by CBSE

Subject Coordinator

Name: Reeti Srivastava

Head of Department

Name: Mr. Vikrant Kapoor



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2026 - 2027,

Subject: Computers

Class : VII

No of Active Periods: 75

Month	Assessed in	Lesson/s to be covered	Period Count
April	PT 1/Half yearly	Internet and Networking concepts Artificial Intelligence and its applications	16
May	PT 1/Half yearly	Introducing Python	03
July	Half yearly	Introducing Python Types of operators and control structure in Python	09 + 06
August	Half yearly	AI in industries Ethics and AI Bias and Awareness	06+ 9
September	Half Yearly	Revision	
October	PT 2/Annual	Introduction to MS Excel 2016	13
November	Annual	Charts and Formulas in MS Excel 2016	11
December	Annual	AI Domains and its applications	09
January	Annual	Data Visualization and analysis	11
February		Model Paper and Revision	



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026- 2027

Subject : Computers

Class : VII

No. of periods:1

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
Week 1: 2/4/26 to 4/4/26			Period Count: 1
PD1	Artificial Intelligence and its applications (Introduction)	Read the chapter	
	Note : Good Friday Holiday		
Week 2: 06/4/26 to 11/4/26			Period Count: 3
PD1	Artificial Intelligence and its applications (Types of AI)	Learn the differentiation	
PD2	Artificial Intelligence and its applications (Types of AI continued)	Learn the differentiation	
PD3	Artificial Intelligence and its applications (How does AI work?)	Revise the topic taught	
Week 3: 13/4/26 to 18/4/26			Period Count: 2
PD 1	Artificial Intelligence and its applications (Everyday applications of AI)	Find more AI applications	
PD2	Artificial Intelligence and its applications (Q/A + Exercises)	Complete the book and notebook work	
	Note: Ambedkar Jayanti Holiday		
Week 4:20/5/26 to 25/5/26			Period Count: 3
PD1	Internet and Networking Concepts (Introduction)	Revise the topics taught in class	

PD2	Internet and Networking Concepts(social Networking and e-commerce)	Revise the topics taught in class	
PD 3	Internet and Networking Concepts (E-learning ,E-ticketing)	Revise the topics taught in class	
Week 5:27/4/26 to 2/5/26			Period Count: 3
PD1	Internet and Networking Concepts (UPI and Banking)	Revise the topics taught in class	
PD 2	Internet and Networking Concepts (Questions and Answers book)	Complete the book and note book work	
PD 3	Internet and Networking Concepts (Questions and Answers notebook)	Complete the book and notebook work	
Week 6: 4/5/26 to 9/5/26			Period Count: 3
PD 1	Internet and Networking Concepts (Exercises)	Complete and learn exercises	
PD2	Internet and Networking Concepts (Revision)	Complete and learn exercises	
PD3	Internet and Networking Concepts (Revision)	Learn and revise the lesson	

Week 7: 11/5/26 to 16/5/26			Period Count : 2
PD 1	Introducing Python (Introduction)	Revise the topics discussed in class	
PD 2	Introducing Python (Introduction continued)	Revise the topics discussed in class	
Week 9: 19/5/26 to 23/5/26			Summer Break
			Period Count : 0
Week 10: 26/5/26 to 30/5/26			Summer Break
			Period Count : 0
Week 11: 01/6/26 to 6/6/26			Summer Break
			Period Count : 0
Week 12: 8/6/26 to 13/6/26			Summer Break
			Period Count : 0
Week 13: 15/6/26 to 20/6/26			Summer Break
			Period Count : 0

Week 14:22/6/26 to 27/6/26		Summer Break	Period Count : 0
Week 15: 30/6/26 to 04/7/26		Period Count : 3	
PD 1	Introducing Python (Thonny, use of interpreter and variables in Python)	Learn and revise the definitions taught in class	
PD 2	Lab activity	Revise various data types	
PD 3	Introducing Python (built in functions)	Revise the working of various functions	
Week 16 : 6/7/26 to 11/7/26		Period Count : 3	
PD 1	Introducing Python (built in functions continued)	Practice the working of various functions	
PD 2	Lab activity	Practice the working of various functions	
PD 3	Introducing Python (built in functions continued)	Practice the working of various functions	
	Note: Second Saturday Holiday		
Week 17 : 13/7/26 to 18/7/26		Period Count : 3	
PD 1	Introducing Python (exercises)	Complete the book work	
PD 2	Lab activity	Complete the book work	
PD 3	Introducing Python (question answers)	Complete the notebook work	
Week 18 : 20/7/26 to 25/7/26		Period Count : 3	
PD 1	Types of operators and control structure in Python (introduction + revisit of python)	Revise the topics taught in class	
PD 2	Types of operators and control structure in Python (Binary operators and their working)	practice the working of operators taught in class	
PD 3	Types of operators and control structure in Python(string operators, assignment operators and their working)	Practice the working of operators taught in class	

Week 19: 27/7/26 to 1/8/26			Period Count : 3
PD 1	Types of operators and control structure in Python(Relational and logical and Boolean operators)	Practice the working of operators taught in class	
PD 2	Lab activity	Learn the precedence order	
PD 3	Types of operators and control structure in Python (conditional statements, types of control structures)	Lab Activity pg 39	
Week 20 : 3/8/26 to 8/8/26			Period Count : 3
PD 1	Types of operators and control structures (Exercises and questions and answers)	Complete the book and notebook work	
PD 2	Lab activity	Read and revise the topics taught in class	
PD 3	AI in Industries (AI in communication)	Read and revise the topics taught in class	
Week 21: 10/8/26 to 15/8/26			Period Count : 3
PD 1	AI in Industries (Exercises)	Complete the book exercises	
PD 2	Lab activity	Complete the book work	
PD 3	AI in Industries (Questions and answers continued)	Complete the notebook work	
Note: Independence Day Holiday			
Week 22: 17/8/26 to 22/8/26			Period Count : 3
PD 1	Ethics and AI Bias Awareness (Introduction)	Revise the topics taught in class	

PD 2	Lab activity	Revise the topics taught in class	
PD 3	Ethics and AI Bias Awareness (Types of bias)	Revise the topics taught in class	
Week 23:24/8/26 to 29/8/26			Period Count : 2
PD 1	Ethics and AI Bias Awareness (Types of Bias continued)	Revise the topics taught in class	
PD 2	Ethics and AI Bias Awareness (Case studies of AI Bias)	Revise the topics taught in class	
Note: Raksha Bandhan and Id e milad Holiday			
Week 24: 31/8/26 to 5/9/26			Period Count : 3
PD 1	Ethics and AI Bias Awareness (Fairness in AI)	Revise the topics taught in class	
PD 2	Lab activity	Revise the topics taught in class	
PD 3	Ethics and AI Bias Awareness (Questions and answers)	Complete the book and notebook work	
Note: Janmashtami Holiday			
Week 25: 25/09/26 to 12/9/26			Period Count: 0
PD 1	Practical Exam	Learn the half yearly syllabus	
PD 2	Model Paper	Learn the half yearly syllabus	
Week 26: 14/9/26 to 19/9/26			
PD 1	Half Yearly Exams		

PD 2	Half Yearly Exams		
PD 3	Half Yearly Exams		
Week 27 : 21/9/26 to 26/9/26			
PD 1	Half Yearly Exams		
PD 2	Half Yearly Exams		
PD 3	Half Yearly Exams		
Week 28: 28/9/26 to 3/10/26		Period Count : 2	
PD 1	Paper showing		
PD 2	Introduction To MS Excel 2016 (Quick access toolbar and ribbon display options)	Revise the topics taught in class	
PD 3	Introduction To MS Excel 2016 (Templates and workbooks)	Revise the topics taught in class	
Note: Gandhi Jayanti Holiday			
Week 29: 5/10/26 to 10/10/26		Period Count : 3	
PD 1	Introduction To MS Excel 2016 (Sharing of workbooks)	Revise the topics taught in class	
PD 2	Introduction To MS Excel 2016 (Different views, using templates, autorecover)	Do practice of the commands taught in class	
PD 3	Lab activity	Do practice of the commands taught in class	
Week 30: 12/10/26 to 17/10/26		Period Count : 3	
PD 1	Introduction To MS Excel 2016 (Cell basics)	Do practice of the commands taught in class	

PD 2	Lab activity	Do practice of the commands taught in class	
PD 3	Introduction To MS Excel 2016 (Formatting cells)	Do practice of the commands taught in class	
Week 31 : 19/10/26 to 24/10/26			Period Count : 2
PD 1	Introduction To MS Excel 2016 (Spelcheck feature, fill handle)	Do practice of the commands taught in class	
PD2	Lab activity		
Note: Dussehra Holiday			
Week 32 : 26/10/26 to 31/10/26			Period Count : 3
PD 1	Introduction To MS Excel 2016 ((grouping/ungrouping, renaming ,moving,replacing,finding)	Do practice of the commands taught in class	
PD 2	Lab activity	Do practice of the commands taught in class	
PD 3	Introduction To MS Excel 2016 (Questions and Answers	Complete the book and notebook work	
Week 33 : 2/11/26 to 7/11/26			Period Count : 3
PD 1	Charts and Formulas in MS Excel 2016 (Introduction to charts and its types)	Read and revise the topics taught in class	
PD 2	Charts and Formulas in MS Excel 2016 (Charts and its components)	Do the practice of the commands taught in class	
PD 3	Lab activity	Do the practice of the command taught in class	
Week 34 : 9/11/26 to 14/11/26			Period Count : 0
PD 1	Holiday(Deepawali)		
PD 2	Holiday(Deepawali)		

PD 3	Holiday(Deepawali)		
Week 35 : 16/11/26 to 21/11/26		Period Count : 3	
PD 1	Charts and Formulas in MS Excel 2016 (changing chart type,moving a chart)	Do the practice of the command taught in class	
PD 2	Lab activity	Do the practice of the command taught in class	
PD 3	Charts and Formulas in MS Excel 2016 (Editing a formula,copying formula)	Do the practice of the command taught in class	
Week 36: 23/11/26 to 28/11/26		Period Count : 2	
PD 1	Charts and Formulas in MS Excel 2016 (Cell Refrences)	Do the practice of the command taught in class	
PD 2	Charts and Formulas in MS Excel 2016 (Using cell references with multiple sheets)	Do the practice of the command taught in class	
Note: Guru nanak jayanti holiday			
Week 37 :30/11/26 to 05/12/26		Period Count : 3	
PD 1	Charts and Formulas in MS Excel 2016 (Lab activity page no 71)	Practice the lab activity on page number 71	
PD 2	Lab activity	Complete the book work	
PD 3	Charts and Formulas in MS Excel 2016 (Questions and answers)	Complete the note book work	
Week 38: 07/12/26 to 12/12/26		Period Count : 3	
PD 1	AI Domains and Applications (Meaning of AI domains)	Read and revise the topics taught in class	
PD 2	AI Domains and Applications (Classification,Regression)	Read and revise the topics taught in class	
PD 3	Lab activity	Read and revise the topics taught in class	
Week 39:14/12/26 to 19/12/26		Period Count : 3	

PD 1	AI Domains and Applications (Data sets)	Read and revise the topics taught in class	
PD 2	Lab activity	Read and revise the topics taught in class	
PD 3	AI Domains and Applications (Computer Vision)	Read and revise the topics taught in class	
Week 40: 21/12/26 to 26/12/26		Period Count : 3	
PD1	AI Domains and Applications (Natural language Processing)	Read and revise the topics taught in class	
PD2	AI Domains and Applications (Exercises)	Complete the book work	
PD3	AI Domains and Applications (Questions and answers)	Complete the notebook work	
Note: Christmas Holiday			
Week 41: 28/12/26 to 02/01/27 (Winter Break)		Period Count : 0	
Week 42: 04/01/27 to 09/01/27 (Winter Break)		Period Count : 0	
Week 43: 8/1/27 to 9/1/27		Period Count : 1	
PD 1	Data Visualization (Meaning of Data Visualization)	Read and revise the topics taught in class	
Week 44: 11/1/27 to 16/1/27		Period Count : 3	
PD 1	Data Visualization (Methods of data collection)	Read and revise the topics taught in class	
PD 2	Data Visualization (Databases and visualisation techniques)	Read and revise the topics taught in class	
PD 3	Lab activity	Read and revise the topics taught in class	
Note: Makar Sankranti Holiday			
Week 45:18/1/27 to 23/1/27		Period Count : 3	

PD 1	Data Visualization (Data Analysis)	Read and revise the topics taught in class	
PD 2	Data Visualization (Precision in digital data)	Read and revise the topics taught in class	
PD 3	Lab activity	Read and revise the topics taught in class	
Week 46: 25/1/27 to 30/1/27			Period Count : 2
PD 1	Data Visualization (Exercises)	Complete the book and notebook work	
PD 3	Data Visualization (Questions and Answers)	Complete the book and notebook work	
Note: Republic day Holiday			
Week 47: 1/2/27 to 6/2/2			Period Count: 3
PD 1	Practical Exam		
PD 2	Model Paper discussion		
PD 3	Problem Discussion		
Week 48: 8/2/27 to 13/2/27			Period Count:3
PD 1	Problem Discussion		
PD 2	Problem Discussion		
PD 3	Problem Discussion		

Week 49: 15/2/27 to 20/2/27			Period Count:3
PD 1	Problem Discussion		
PD 2	Problem Discussion		

PD 3	Problem Discussion		
Week 50: 21/2/27 to 26/2/27. Final Examinations			
Week 51: 28/2/27 to 01/3/27. Final Examinations			
Week 52: 08/3/27 to 13/2/27. Final Examinations			

Subject coordinator
Principal

Supervisor

Principal/V.