

BDs - MACRO PLANNER (2024-25)

Class :	6th					Subject : STEM								
S. No.	Name of the chapter	Name of the Technology Platform	Coverage Duration		No. of Periods	Name of Exam, Date and Weightage								
			From	To		Half Yearly					Final Exam			
1	STEM Orientation				1									
2	Automatic Room light/Doorbell	Basic Electronics			4			50						
3	Automatic Parking Gate-Hardware simulation	ABLOX			8			50						
4	Drag and Place Bot & Floor Mopping Bot	Robotics			7							50		
5	Carrom Board & Inclined Plane	3D Designing			4							20		
6	AI Chat Bot	AI & ML- Scratch			6							30		
Total					30			100				100		
Signature of faculty members: 1. Mr. Apoorv Gupta														

Vivekanand School - MACRO PLANNER (2024-25)											
Class :	7th					Subject : STEM					
S. No.	Name of the Project	Name of the Technology Platform	Coverage Duration		No. of Periods	Name of Exam, Date and Weightage					
			From	To		Half Yearly			Final Exam		
1	STEM Orientation				1						
2	Geometrical Spirograph-project	Python			5			50			
3	Ultrasonic based Smart dustbin using Arduino-Servo	Arduino			8			50			
4	Customised direction 2 WD Bot using Arduino	Robotics			8					50	
5	Team Tag KeyChain	3D Designing			3					20	
6	Reading and writing images using Hardware	Artificial Intelligence & Machine Learning			5					30	
Total					30			100			100

Signature of faculty members: 1. Mr. Apoorv Gupta

Vivekanand School - MACRO PLANNER (2024-25)											
Class :		8th					Subject : STEM				
S. No.	Name of the chapter	Name of the Technology Platform	Coverage Duration		No. of Periods	Name of Exam, Date and Weightage					
			From	To		Half Yearly			Final Exam		
1	STEM Orientation				1						
2	Good night Animation	Python			6			50			
3	Arduino based smart home security system	Arduino			5			50			
4	Autonomous Obstacle Avoidance Robot	Robotics			7					50	
5	Pens Holder project	3D designing			4					20	
6	Edge detection using Images of Figures	Artificial Intelligence & Machine Learning			7					30	
Total					30			100			100

Signature of faculty members: 1. Mr. Apoorv Gupta

Vivekanand School - MACRO PLANNER (2024-25)												
Class :		9th						Subject : STEM				
S. No.	Name of the chapter	Name of the Technology Platform	Coverage Duration		No. of Periods	Name of Exam, Date and Weightage						
			From	To		Half Yearly				Final Exam		
1	STEM Orientation				1							
2	Plotting different types of graph through coding	Data Science			8			50				
3	Home Automation using arduino and bluetooth communication	Arduino			6			50				
4	IR Array based Line follower Robot	Robotics			4						70	
5	Automatic Plant Watering system with IOT Monitoring	IOT (Internet of Things)			5							
6	Face Detection Modules	Artificial Intelligence & Machine Learning			6						30	
Total					30			100			100	

Signature of faculty members: 1. Mr. Apoorv Gupta