

VAILANKANNI VOICE - OCTOBER 2023**Subject : Atal Tinkering Lab**

Grade	Week	Project Name	Tools Required	Learning Outcome
6	I ,II,III,IV	Street Light Project	Cardboard, LED Lights, 9V HW Battery,Connecting wires, Battery connector	Students would have learnt the Street light Project design and its implementation.
7	I ,II,III,IV	3D Printing - (3 D Object Design)	3 D Printer, Laptop, Memory card, SD card Reader,Thinkercad software, Filament	Students would have learnt the 3D Object Design and printing technology.
8	I,II,III,IV	Line Following Robot	Cardboard, Ardinouno board,Ultrasonic Sensor, Jumper wires, Motor Driver, 9V HW Battery, Battery connector, USB cable, Laptop, Ardinouno Software, IR sensor.	Students would have learnt Ardino coding related to Line follower Robot project and circuit design and cardboard design and its implementation.
9	I,II,III,IV	Obstacle Avoiding Robot	Cardboard, Ardinouno board,Ultrasonic Sensor, Jumper wires, Motor Driver, 9V HW Battery, Battery connector, USB cable, Laptop, Ardinouno Software, IR sensor.	Students would have learnt Ardino coding related to Obstacle avoiding Robot project and circuit design and cardboard design and its implementation.