

**August Curriculum for STEAM Lab
St. Xavier's High School, Ghaziabad
AY 26-27**

Grade	Curriculum Planned
1	W1, W2 Module: Electronics & IoT Topics: Static Electricity, Dynamic Electricity W3, W4 Module: Computational Thinking & Digital Technology Topics: Sort, Group and Count, Casey's Birthday Party
2	W1, W2 Module: Electronics & IoT Topics: Glowing Sun, Paper Circuits W3, W4 Module: Computational Thinking & Digital Technology Topics: Catch the Fish, Dancing Alphabets
3	W1, W2 Module: Computational Thinking & Digital Technology Topics: Gravity, Cloning W3, W4 Module: Electronics & IoT Topics: Open/ Closed Circuits, Types of Wires

4	W1, W2 Module: Computational Thinking & Digital Technology Topics: Escaping the Aquatic Animals, Penalty Taker W3, W4 Module: Electronics & IoT Topics: Table Fan, Newton Disc
5	W1, W2 Module: Computational Thinking & Digital Technology Topics: Corona Virus Data representation W3, W4 Module: Electronics & IoT Topics: People Counter
6	W1, W2, W3 Module: Electronics & IoT Topics: AC and DC Signals, Arduino Based Mode Lamp W4 Module: Electronics & IoT Topics: Switch based Doorbell
7	W1, W2, W3 Module: Design Thinking & 3D Printing Topics: Exploration : Let's Empathise Design Thinking _ A Way Of Life Introduction to Prototyping and 3D designing W4 Module: Electronics & IoT Topics: Traffic Light using Arduino

8	W1, W2 Module: Electronics & IoT, Computational Thinking & Digital Technology Topics: Leveller Serial Data Transfer using Arduino W3, W4 Module: Electronics & IoT Topic: Student Profile
9	W1, W2 Module: Artificial Intelligence Topics: Wireless Fall Detection System Battery Voltage tracker W3, W4 Module: Electronics & IoT Topic: Real Time Gas Monitor