

| Grade | Month | Number of Session | Name of the Topics | Name of Activity | Extra Activities |
|-------|---------------|-------------------|---|---|--|
| 1 | Sep | 1 | Early Simple Machine and Hands-On Science | 1. Bridge to cross the river | |
| | | 1 | | 2. Bowling game | Create your own stories and go shopping on Scratch Jr. |
| | | 1 | | 3. Treehouse | |
| | | 1 | | 4. Pinball | |
| | Total session | 4 | | | |
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| 2 | Sep | 1 | Junior Scratch and Paper Circuit | 1. Glowing Heart | Make a birthday card using paper circuits. |
| | | 1 | | 2. Blushing Girl | |
| | | 1 | | 3. Stick Hockey | |
| | | 1 | | 4. Soccer game | |
| | Total session | 4 | | | |
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| 3 | Sep | 1 | Paper Circuits and Jodo Straw | 1. Paper circuit component and its symbol | |
| | | 1 | | 2. Series circuit | Draw your own character and animate it. |
| | | 1 | | 3. Patterns and Design | |
| | | 1 | | 4. Polygons | |
| | Total session | 4 | | | |
| | | | | | |
| 4 | Sep | 1 | Robotics – Jodo Straw | 1. Lines | |
| | | 1 | | 2. Angles | Create a smiley face on a dot matrix. |
| | | 1 | | 3. Field and Fence | |
| | | 1 | | 4. First simple machine ramp | |
| | Total session | 4 | | | |
| | | | | | |
| 5 | Sep | 1 | Ablox – Coding and Circuit Designing | 1 Introduction of Ablox and Arduino UNO | |
| | | 1 | | 2. LED pattern | Create any game using Arduino and a switch. |
| | | 1 | | 3. RGB LED | |
| | | 1 | | 4. LED strip | |
| | Total session | 4 | | | |
| | | | | | |
| 6 | Sep | 1 | App Development – MIT App Inventor | 1. App inventor | |
| | | 1 | | 2. Website viewer | Display a text message on the LCD display. |
| | | 1 | | 3. Sound App | |
| | | 1 | | 4. Sound App | |
| | Total session | 4 | | | |
| | | | | | |
| 7 | Sep | 1 | 3D Designing - Tinker cad | 1. 3D Designing | |
| | | 1 | | 2. Tinker cad | Draw a circle using spirograph. |
| | | 1 | | 3. Key chain | |

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| | | 1 | | 4. Nut | |
| | Total session | 4 | | | |
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| 8 | Sep | 1 | Arduino-Coding - Python | 1. Displaying Gas Values on LCD | |
| | | 1 | | 2. Python Functions | Draw any logo of your choice using Python. |
| | | 1 | | 3. Python Turtle | |
| | | 1 | | 4. Good Night Animation - 1 | |
| | Total session | 4 | | | |
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| 9 | Sep | 1 | Data Science - Python | 1. Introduction to pandas | |
| | | 1 | | 2. List | chart for your monthly expenditure. |
| | | 1 | | 3. Dictionaries | |
| | | 1 | | 4.DataFrame | |
| | Total session | 4 | | | |