

CIRCUIT CREATION AWAITS

ELECTRONICS AND HARDWARE

Course Overview

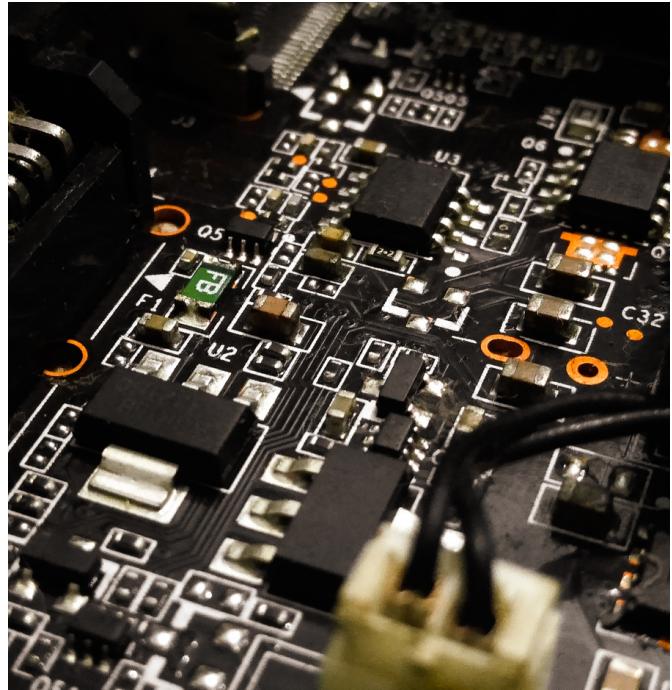
Welcome to the exciting world of Electronics and Hardware for school students! Whether you're a budding scientist, an aspiring engineer, or just curious about how things work, this brochure is your gateway to an electrifying journey of discovery.

Why Electronics and Hardware?

Hands-On Learning: Get your hands dirty with real circuits, components, and devices.

Problem Solving: Develop critical thinking and troubleshooting skills.

Future-Ready: Gain a foundation for careers in STEM fields.



Meet Your Toolkit

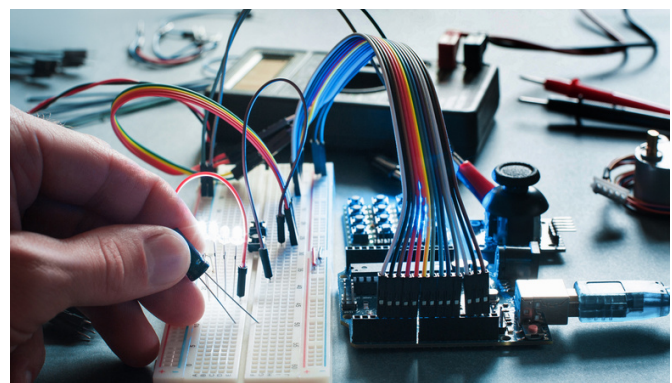
Components: Resistors, capacitors and LEDs.

Breadboard: The canvas for your electrical masterpieces.

Microcontrollers: The brains behind your projects.

Soldering Iron: Craft and connect with precision.

Sensors: Detect light, temperature and motion.



What Will You Explore?

Basic Electronics: Understand the fundamentals of circuits, resistors, capacitors, and more.

DIY Projects: Build cool gadgets like a mini robot or a digital thermometer.

Wireless Technology: Dive into the world of Bluetooth and Wi-Fi.

Internet of Things (IoT): Connect everyday objects to the web.

Unleash Your Inner Inventor

Duration

Basic - 5 hrs
Advanced - 15 hrs



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