

ELECTRO-PLEX

BEGINNER & INTERMEDIATE KIT



LEARNING NEVER CEASES



Age Group : Classes 3 to 6

NEP 2020 Compliant: Our curriculum is crafted to meet India's forward-thinking educational standards, ensuring relevance and depth.

WHAT IS: Electro-PLeX kit

Electro Plex kit is designed for beginner & intermediate-level students to explore the realm of electronics through engaging projects. The product's project-based learning approach introduces hands-on experiences, covering diverse topics like a simple electronic piano, logic gates (NAND and NOT), clap switch, rain alarm, music rhythm LED, and touch switch.

With clear, step-by-step instructions, students navigate each project, supported by a set of high-quality electronic components. The interactive online platform enhances the learning journey, providing additional resources, quizzes, and a collaborative community. This product imparts theoretical knowledge and hones practical skills, fostering critical thinking and problem-solving. By delving into a spectrum of projects, students gain confidence in applying their understanding of electronics, preparing them for further exploration in this exciting field.

PROJECT PHILOSOPHY:

Critical Thinking & Innovation:

Designed to stretch the intellect and imagination, this kit takes a deep dive into the mechanics of modern electronics, encouraging innovation at every turn.

Sustainability & Ethics:

Engages students with projects that have direct correlations to environmental sustainability and ethical technology use, promoting responsible engineering practices.



43
COMPONENTS

75+
PROJECTS

100+
HOURS

3to6
CLASSES

KIT CONTENTS:

Diverse Electronic Inventory:

A robust collection of 43 premium components including solar cells, electromagnets, and digital displays for a broad spectrum of projects.











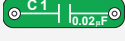
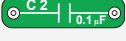
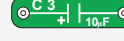
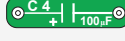
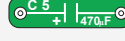






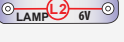
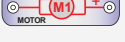




















Enhanced Connection Mechanism:

Durable connectors designed for frequent assembly and reconfiguration, fostering an environment of sustained experimentation.



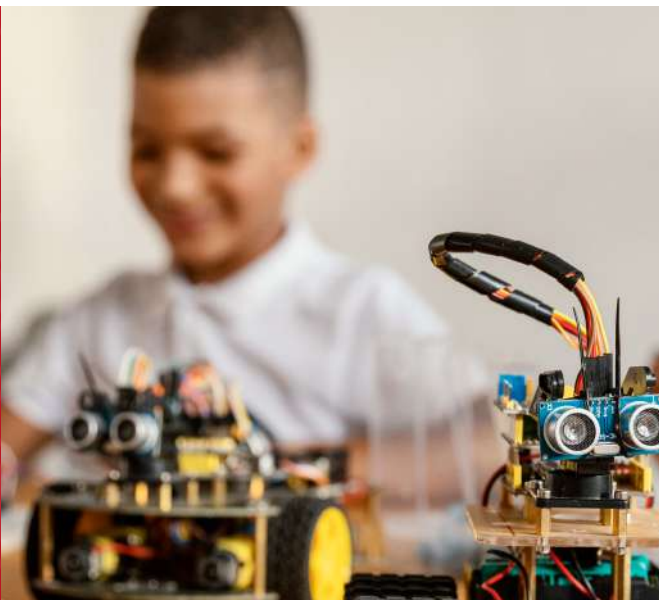
The safety of participants is our top priority. By strictly adhering to these safety compliance guidelines, we aim to create an environment where children can explore, learn, and innovate safely with the ELECTRO-PLeX Intermediate Kit. For any safety-related concerns or queries, contact safety@justnexo.com.

KIT COMPONENTS

 Base Grid (11.0" x 7.7")	 1-Snap Wire	 2-Snap Wire	 3-Snap Wire	 4-Snap Wire	 5-Snap Wire	 6-Snap Wire	 7-Snap Wire	 Antenna Coil
 Battery Holder uses 2 1.5V type AA (not included)	 0.02µF Capacitor	 0.1µF Capacitor	 10µF Capacitor	 100µF Capacitor	 470µF Capacitor	 Variable Capacitor	 Red Light Emitting Diode (LED)	 Green Light Emitting Diode (LED)
 Jumper Wire (Black)	 Jumper Wire (Red)	 2.5V or 3V Lamp	 6V Lamp	 Motor	 Fan	 PNP Transistor	 NPN Transistor	 100Ω Resistor
 1kΩ Resistor	 5.1kΩ Resistor	 10kΩ Resistor	 100kΩ Resistor	 Photoresistor	 Adjustable Resistor	 Slide Switch	 Press Switch	 Speaker
 Music Integrated Circuit	 Alarm Integrated Circuit	 Space War Integrated Circuit	 Power Amplifier Integrated Circuit	 High Frequency Integrated Circuit	 Whistle Chip	 Microphone		

With Electro-PleX Kit, young minds are not just learning electronics; they are mastering the art of innovation for a brighter future!

Circuit. Create. Conquer.



THE ELECTRO-PLEX EXPERIENCE:

Interactive and Advanced Tutorials:

Comprehensive guides that challenge students to apply their knowledge in new and exciting ways, bolstering their understanding of complex electronic systems.

Recognition of Expertise:

Opportunity to earn advanced certifications that recognize the student's commitment and skill, reinforcing their passion for electronics and engineering.