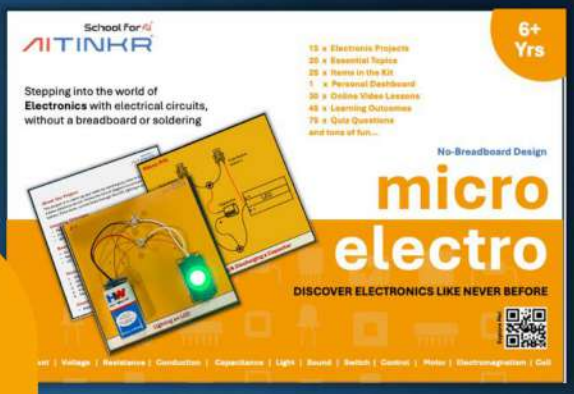


micro electro

PRODUCT
INFORMATION SHEET

An entry-level Kit-based Learning model to step into the world of Electronics with basic electrical circuits, without a breadboard or soldering. Discover electronics like never before! Build 15+ hands-on projects and learn about current, voltage, resistance, conduction, capacitance, light, sound, switch, control, motor, electromagnetism and a cell. Unique no-breadboard design helps students have practical learning in a safe environment. A gateway course into electronics to build curiosity and skills.

Curriculum & Pedagogy

Engaged learning with clear learning objectives to develop basic skills in Electrical and Electronics through circuit building that supports Critical Thinking and Problem-Solving Skills to find solutions for real-life problems using Emerging Technologies.

Specification	Details
Total Projects	15
Theory Topics	20
Dashboard Video Content	3 Hrs
No. of Sessions (School)	20
Total Engagement	30 Hrs.
No. of Items in the Kit	25+
Quiz & Assessment	Continuous

STEM | Creativity | Circuits | Goal AI | Prob. Solving | Confidence

Explore Me!

Features & Outcomes!

- Curriculum-driven Learning
- Start with basic electrical circuits
- Learn concepts of circuit building
- Learn essential electronics concepts
- No-breadboard design
- Exciting circuits to engage children
- Theory and Practical Sessions
- Kit-based learning with Support
- Dashboard with Videos
- Customisable Curriculum
- Mentor-guided, project-based Learning
- Apply concepts in real-life scenarios
- Quizzes and Assignments included
- Challenges & Competitions

No-Breadboard Design

School For AI
AITINKR
Simplifying Emerging Technologies

School for AI
AITINKR

BUILD | CODE | PLAY

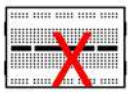
Value Addition




Learners' Engagement

Great way to introduce Electronics to young minds before leading them into Robotics, IoT and Programming. Essential to build logical thinking and problem-solving skills to pave the path to nourish independent learners. This course helps students to structure their learning.

Unique Design for a Safe Learning Experience


No Breadboard


No Plug


No Soldering

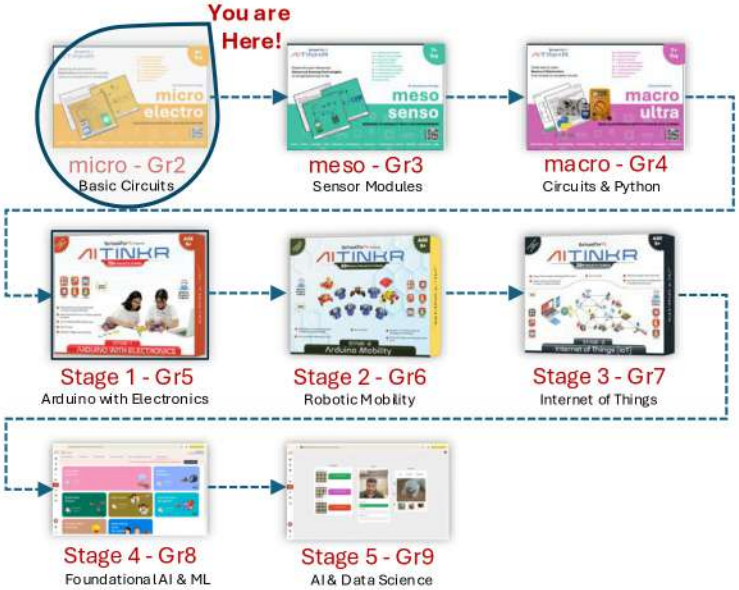

No Tools


No Shock

- Learn the concepts of Current, Voltage, Resistance, Conductors, Capacitance and more.
- Learn how to build simple to complex circuits without a breadboard.
- Learn polarity & interconnections through building projects. Think and identify real-life applications.

Explore Other Stages

5-Stage Approach from Robotics to AI



Major Topics Covered

BASIC CONCEPTS

- ❑ Current
- ❑ Voltage
- ❑ Resistance
- ❑ Conductors
- ❑ Capacitance
- ❑ Continuity
- ❑ Battery
- ❑ Switch
- ❑ Make or Break Contact
- ❑ Variable Resistance
- ❑ Open & Closed Circuit
- ❑ LED
- ❑ Current Limiting Resistor
- ❑ Circuit Diagram

Contact us