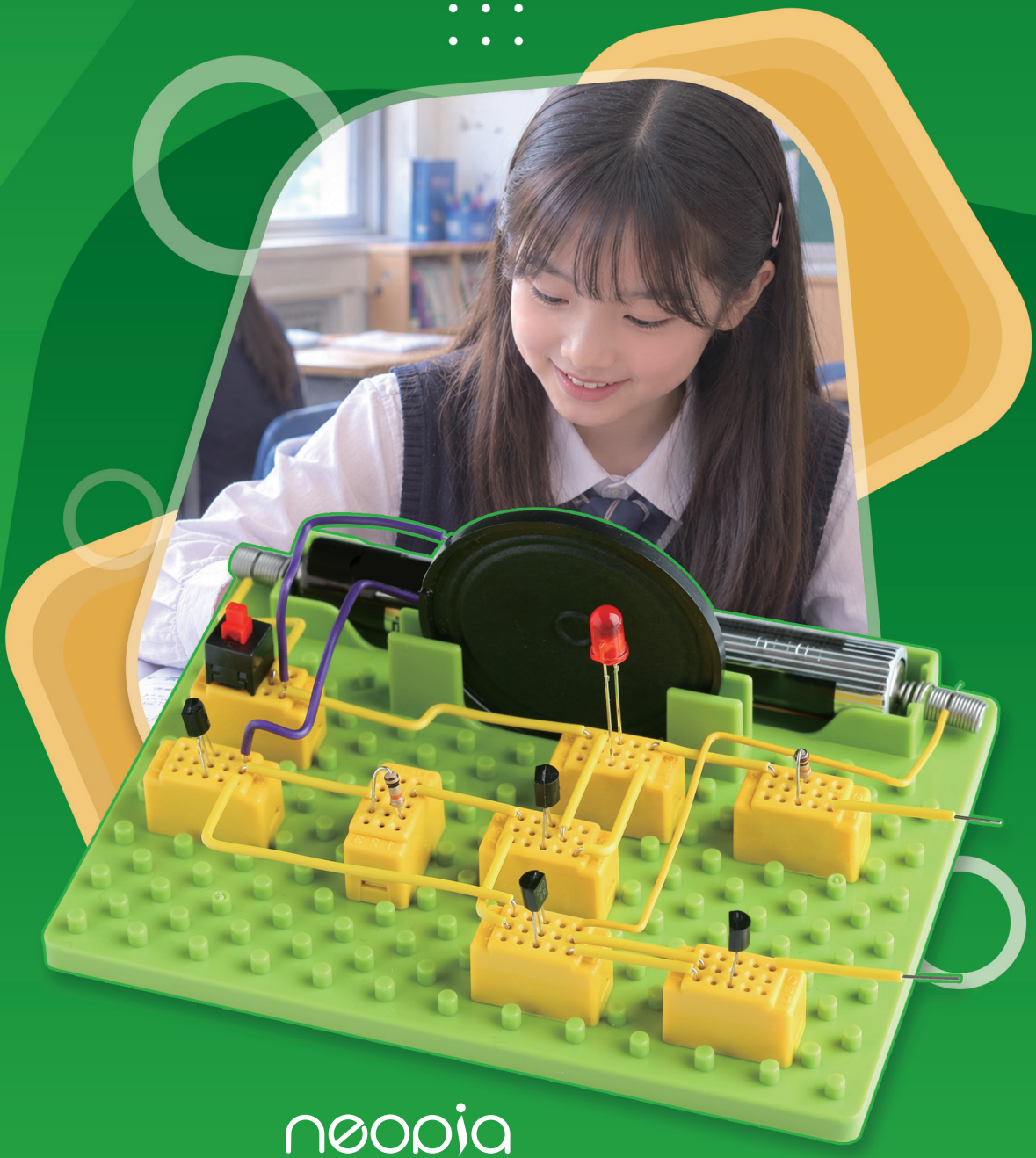
NEO CIRCUIT

Product Brochure



neopia

Contents

01 Product Overview

02 Product Configuration

03 Learning Process

04 Why NEO Circuit

05 Educational Benefits

06 Total Learning Package

07 Contact / Partnership

01. Product Overview

WHO? Ages 11 to 17

WHERE? Middle and High Schools, Makerspaces or Tech Labs

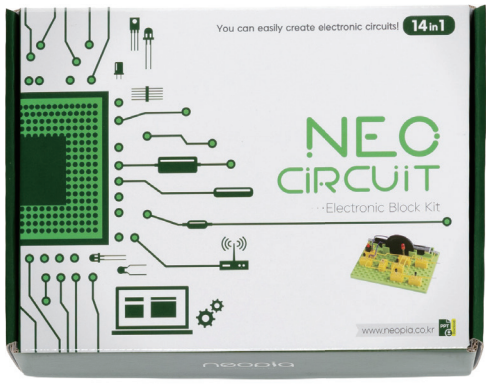
WHAT? Basics & Applications of Electronic Circuits

HOW? Through Easy Block Assembly, Build Real Circuits from Actual Diagrams

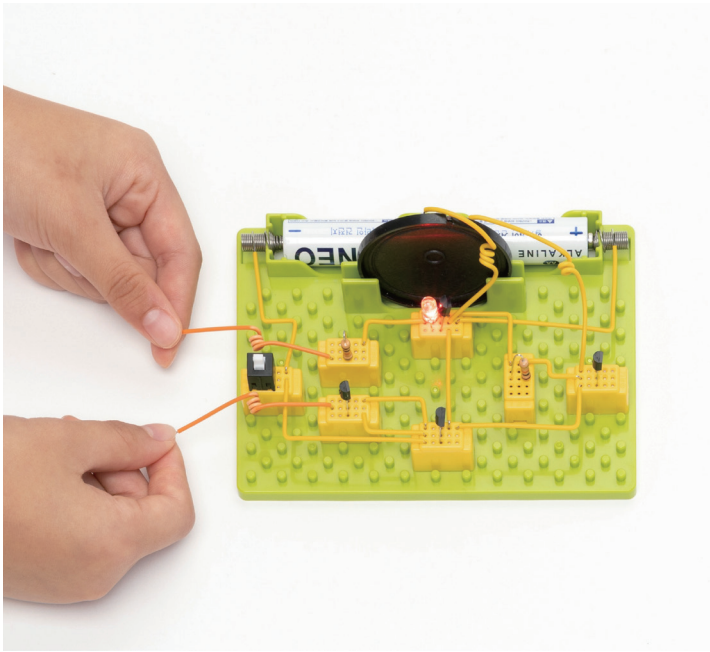
WHY? To Become an Active Creator Who Builds Real Circuits

NEO Circuit provides a practical learning experience that combines electronics theory with hands-on circuit building.

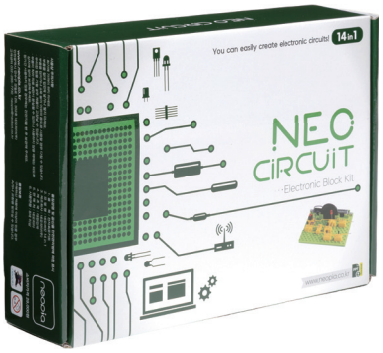
Students follow actual circuit diagrams and directly connect electronic components to build and operate functional circuits.

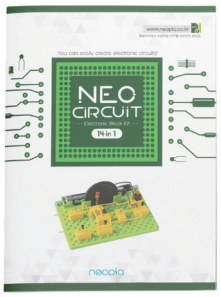






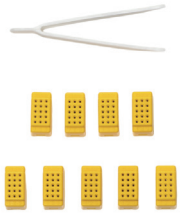
02. Product Configuration













Basic


x9
NEO-Block


x1
Base-plate


x1
Spring (⊕Pole)


x1
Spring (⊖Pole)


x12
70mm Wire (Yellow)


x8
100mm Wire (Orange)


x1
Pincette



x2
Dry cell

LED, Switch, Speaker

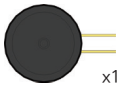
x2
LED (Green)

x2
LED (Red)

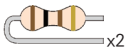
x1
LED (Highbrightness)

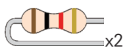

x1
Switch (On/Off type)

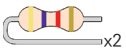

x1
Switch (Push type)

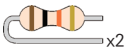

x1
Speaker

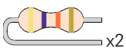
Resistor, CdS

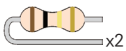

x2
100Ω
(Br Bl Br G)

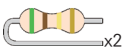

x2
1kΩ
(Br Bl R G)

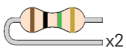

x2
4.7kΩ
(Y V R G)


x2
10kΩ
(Br Bl O G)


x2
47kΩ
(Y V O G)


x2
100kΩ
(Br Bl Y G)


x2
510kΩ
(Gr Br Y G)


x2
1MΩ
(Br Bl Gr G)


x1
Cadmium
sulfide cell:CdS

Melody IC, Transistor



x1
Melody IC:66T11L



x1
Melody IC:66T32L



x3
Transistor:D227

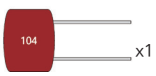


x1
Transistor:A642

Capacitor



x1
Mylar Capacitor
:0.022μF(223)



x1
Mylar Capacitor
:0.1μF(104)



x1
Mylar Capacitor
:0.22μF(224)



x2
Electrolytic
Capacitor:3.3μF



x2
Electrolytic
Capacitor:47μF



x2
Electrolytic
Capacitor:220μF

03. Learning Process

1

READ

Understand the circuit diagram and its principles

2

BUILD

Connect electronic blocks according to the diagram

3

OPERATE

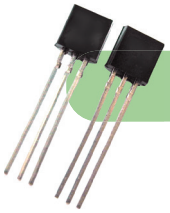
Power the circuit and observe how it works

4

UNDERSTAND

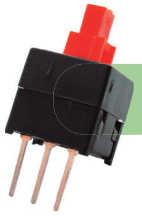
Understand the principles of circuit

04. Why NEO Circuit?



① Direct Connection of Real Components

Learn intuitively by directly connecting real electronic components



② Easy Correction and Reusability

Easily fix mistakes, with all components designed for repeated use



③ 14 Independent Lessons in a Single Kit

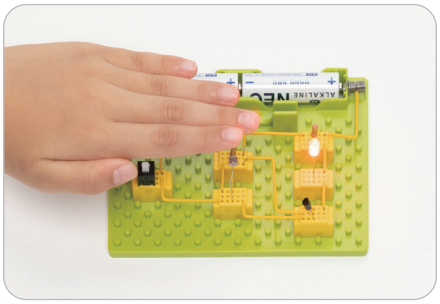
Explore a complete curriculum of 14 lessons for endless discovery

05. Educational Benefits

STEM Application
Connect scientific concepts with practical electronic circuits

Problem Solving
Analyze circuit behavior and solve problems through hands-on practice







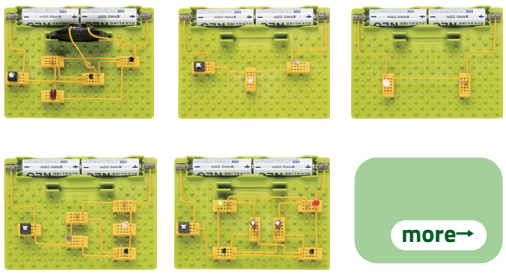
Logical Thinking
Develop systematic thinking through circuit diagrams and connections

Hands-on Circuit Learning
Learn circuit principles by building and operating real circuits

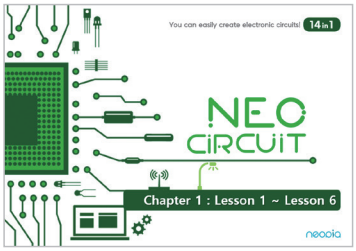
06. Total Learning Package



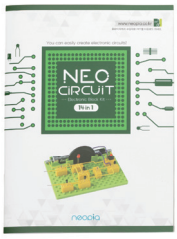
NEO Circuit Kit
Core hardware for hands-on circuit learning



14-Lesson Curriculum
A structured curriculum ready for classroom use



Teaching Guide
Practical guidance for instructors



Student Textbook
Step-by-step learning materials for students

From classroom instruction to hands-on practice, everything is included

Ready to Build What You Learn?

Bring NEO Circuit to your classroom, educational program, or makerspace.

From circuit diagrams to real electronic circuits, NEO Circuit turns electronics education into hands-on learning. Students can build, test, and experiment with modular components while developing practical electronics skills and problem-solving abilities.



Interested in NEO Circuit?
Contact us for:
Product Information / Pricing & Quotes / Samples / Partnership Opportunities

Let's Connect

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Thank you!

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