

Equipment Kit



The engineer's breadboard is the industry standard for easy circuit design and prototyping. Series and parallel circuits were never as simple to build as they are with the breadboard and our incandescent mini-lamps!

Basic concepts such as continuity and open circuits provide fun starter labs as students try to trace the hidden connections behind the 400 "holes" in the breadboard. Our pre-trimmed jumper wire kit means you can begin building circuits right out of the box – without any prep. The wide assortment of components allows your students to complete all the investigations in *Essential Physics*, including design projects involving basic transistors, potentiometers, and even infrared communications.

Kit includes:

400-point engineer's breadboard
Digital multimeter
w/battery, leads, & spare fuses
Jumper wire kit
D-battery holders (2)
Alnico magnets (5)
Magnetic iron pin
Compass
D-batteries (3)

2 W resistor assortment 10 Ω - 1 k Ω (5 ea - 20 total)
1/4 W resistor assortment 1.2 k Ω - 15 k Ω (6 ea - 24 total)
Mini-bulbs 1.2 W (4)
Potentiometer 500 Ω , 2 W
Potentiometer 2 k Ω
Red LED
IR sensor & emitter pair
Storage box

Ordering information

130 - 01014 Electricity and Magnetism kit
\$195