## Accessory Pack for Electricity and Magnetism

## iOLab

Accessory Pack for Electricity \& Magnetism
a macmillan
learning


## Wires



Peel apart to use individual wires

## Resistors






## $2000 \Omega$




## $10000 \Omega$

(pack contains 12 of these starting in spring 2021)



## Capacitors



New capacitors (spring 2021)


New audio cable (spring 2021)


## Light Emitting Diodes (LED's)

## Green

Red


Flat side is negative


Flat side is negative


## Silicon Diodes



## Inductor



## Breadboard




Used to make electrical connections between things pushed into the holes


The holes are electrically connected in groups of 5


Examples

## Magnet Wire

This is just a copper wire that has a thin insulating coating on its surface.


FYI: The wire is not magnetic. It has this name because it can be used to make electromagnets.

Magnet wire can be cut with nail clippers or scissors.


To make an electrical connection to the wire you need to scrape off the insulation.

## Magnet \& Hook

The name basically says it all.
Bonus: The hook unscrews from the magnet and can be screwed into the IOLab force probe


## Polarizing Sheets

Each one has a protective covering on both sides that you can peel off.



Try them in different orientations in front of a window and in front of a laptop screen.


