

# Science Werkz

## Electricity 1

### MEASURING CURRENT

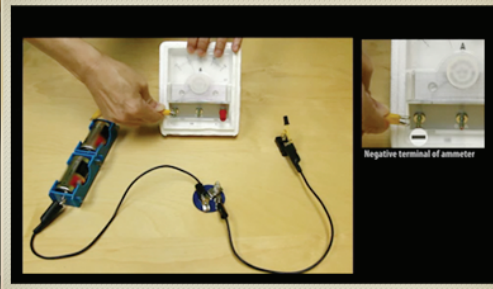


### How to Connect the Ammeter

We connect an ammeter to the electric circuit to measure current. Like a cell, the ammeter has a positive and a negative terminal.

You've learned that the flow of electricity is the movement of charged particles. But how do we measure electric current? The device that we use to measure current is an ammeter. It measures the amount of charge flowing past a point in the circuit per second.

The S.I. Unit for current is ampere (A).



Connect an ammeter to the circuit such that:

- Current is coming into its positive terminal and current is going out of its negative terminal.
- Its positive terminal can be traced back along the circuit to the positive terminal of the cell.
- It must be connected in series within the circuit at the point or break where current is to be measured.

Where to  
connect the  
Ammeter



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## Type of Resource:

This teacher project guide may be printed and passed out to elementary and middle school students to educate them about electricity and its basic functions.

The actual courseware/source of this activity is Electricity 1, one among over 25 best-selling offline interactive educational science apps called Science Werkz which won the 2013 EDDIE Award for Science E-Learning Solutions in the Upper Elementary and Middle School Categories. It includes an informative video on how to connect the ammeter.

## How to use this Resource:

We highly suggest that you use this resource if you are a teacher who wants your elementary or middle school students to learn more about measuring current and how an ammeter can be connected.

Open the discussion by asking students if any of them know what an ammeter is and how it works. You can then print this reference and ask the students to review it and use it as a guide for connecting the ammeter.



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## More Details about the Resource:

**Science Werkz** is a line of award-winning offline interactive educational science solutions that may be accessed on the phones, tablets, or computers of its users.

Consisting of more than 25 best-selling titles that feature informative videos, animated drawings that support learning, checkpoints, main points, concept map, diagrams, summary questions and interactives to encourage critical-thinking, Science Werkz tackles General Science, Chemistry, Earth Science, Life Science/Biology, and Physical Science topics.

Winner of the 2013 EDDIE Award for Science E-Learning Solutions in the Upper Elementary and Middle School categories, the subscription-based science e-learning courseware may be used by educators for classroom learning or by parents and students for self-paced learning at home.

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