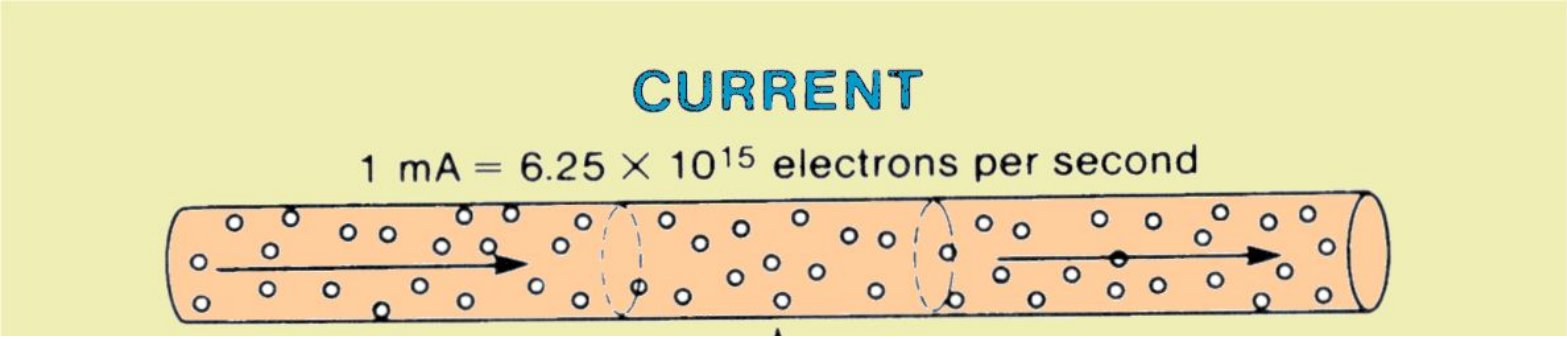
Measuring Current

There are, however, 2 devices that can measure current electricity:

Galvanometer – used to measure weak electric currents.

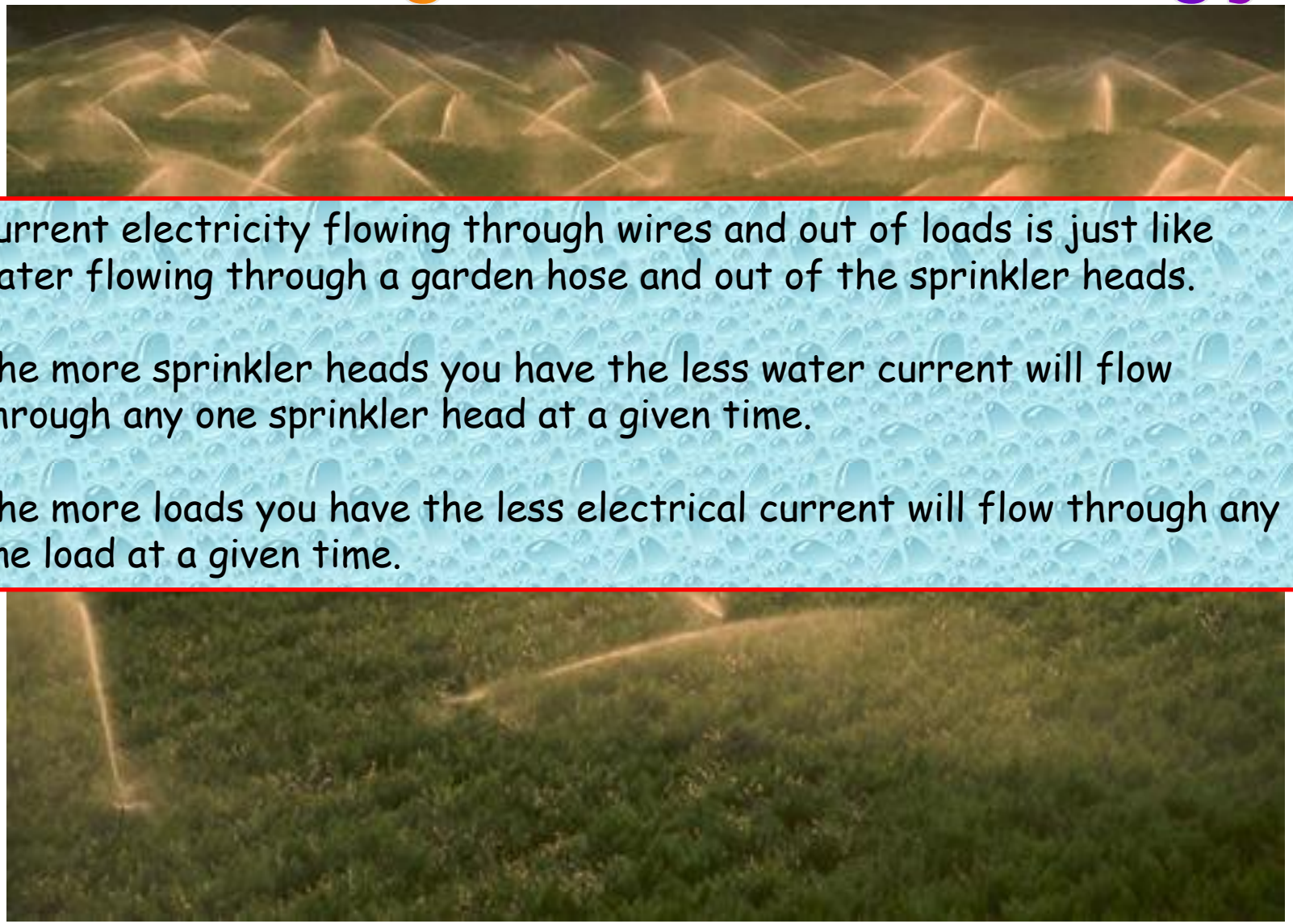
Ammeter – used to measure stronger electric currents.

- Current electricity is measured in amperes (A).
- Ampere is the amount of electrical charge moving through that cross-section in one second.
- The greater the number of electrons that move past a point in one second, the greater the current.
- A volt is the size of the force that sends the electrons through a circuit.



SMART Measuring Current

Measuring Current Analogy



Current electricity flowing through wires and out of loads is just like water flowing through a garden hose and out of the sprinkler heads.

The more sprinkler heads you have the less water current will flow through any one sprinkler head at a given time.

The more loads you have the less electrical current will flow through any one load at a given time.