Hello, this a video for Engineering Measurement & System Monitoring unit

This learning outcome one and we are going to measure the current flowing through the circuit.

We have a Power supply output DC connected to the circuit. To measure current the Multimeter must be inline so it is not across a component. Therefore, we must break the circuit and put the multimeter inline, turn it on, move to mA. If it was a higher current in amps the lead would have to be put in the 10A port but we know it is going to be in mA. Turn the power supply on and the reading is 1.33mA. So that is us successfully measuring current, it is very important to remember to measure inline, not across, as the current will get split and break the meter. What we are doing with current is measuring the flow rate of electrons through the circuit which is series so at any point around the circuit the current will be the same.

Thank you for listening.