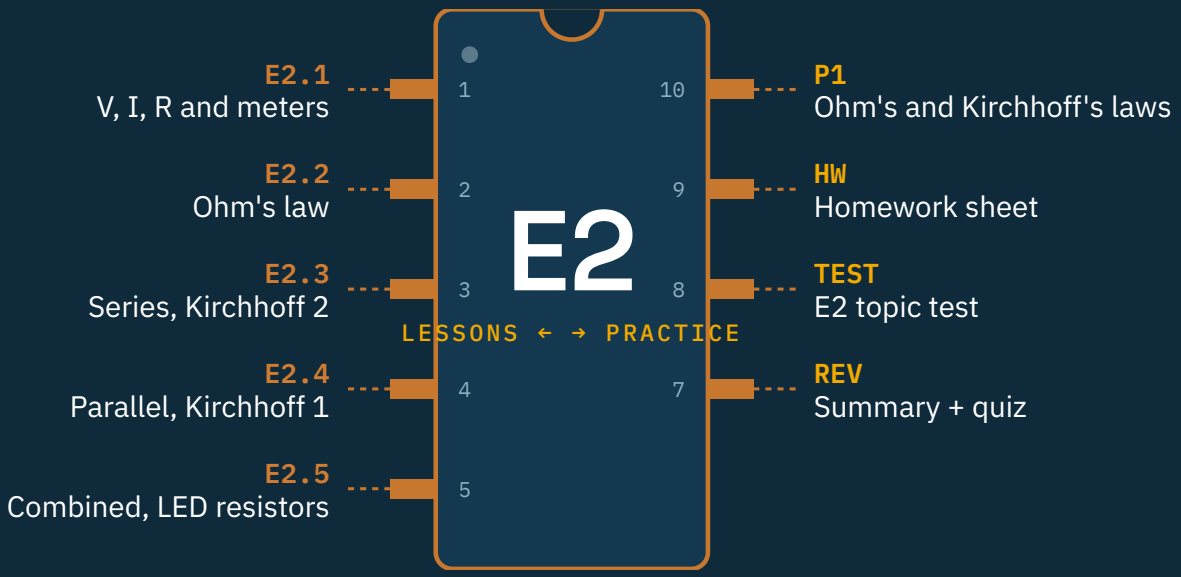
NATIONAL 5 ENGINEERING SCIENCE · UNIT E2

Circuit fundamentals

Voltage, current and resistance, Ohm's law, and the series and parallel rules behind every circuit.



BY THE END OF THIS UNIT YOU CAN

- use units and prefixes correctly
- apply Ohm's law
- calculate series, parallel and combined circuits
- choose a series resistor for an LED

IN THE EXAM

Electrical circuit calculations are a large share of the **13–26** analogue marks. Units must suit the values used.