



Year 10 Physics (Triple Science) Manifest

40 minutes

You will need a calculator, ruler, pencil.

Physics	R	A	G
Standard circuit symbols			
Electrical charge and current			
Current potential difference & resistance			
Resistors: ohmic resistor, filament bulb, diode, LDR, thermistor			
Series and parallel circuits: resistance in both series and parallel circuits			
Direct and alternating potential difference			
Mains electricity			
Power: $P=VI$ and $P=I^2R$			
Energy transferred by appliances: $E=Pt$, $E=QV$			
The national grid			
Static charge			
Electric fields			