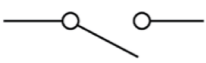
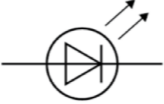



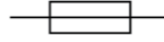
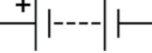



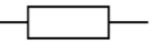


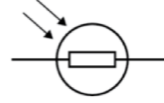
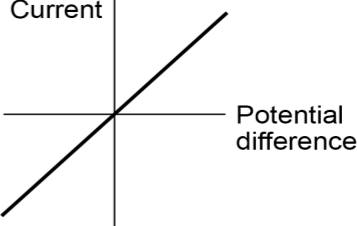
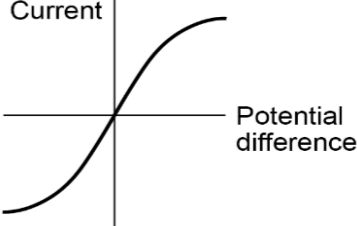


PHYSICS – YEAR 10 – ELECTRICITY

A CIRCUIT SYMBOLS					
1	Open Switch		8	LED	
2	Closed Switch		9	Lamp	
3	Cell		10	Fuse	
4	Battery		11	Voltmeter	
5	Diode		12	Ammeter	
6	Resistor		13	Thermistor	
7	Variable resistor		14	LDR	

B EQUATIONS		
1	Charge	Charge (Q) = Current (I) x time (t)
2	Potential Difference	Potential Difference (V) = Current (I) x Resistance (R)
3	Resistance in Series circuits	$R_{\text{total}} = R_1 + R_2 \dots$
4	Power	Power (P) = Current (I) x Potential Difference (V)

C MAINS ELECTRICITY		
1	Electrical power	The rate at which energy is transferred
2	UK Mains	AC supply at 50 Hz and 230 V potential difference
3	Live Wire	Brown - 230 V
4	Neutral Wire	Blue - 0 V
5	Earth Wire	Green & yellow stripes - 0 V

A IV GRAPHS		
1	Fixed Resistor	
2	Filament lamps	
3	LED	