| Year 8 | Physics | Autumn Term / Energy & Waves |
|--------|--------------|--|
| | | Device for: |
| | ammeter | Measuring electric current in a circuit. |
| | am /me / ter | |

| | Units of measurement of: |
|------|----------------------------|
| amps | Electric current, symbol A |

| | Flow of electric charge. |
|------------|-----------------------------------|
| current | Usually electrons, in amperes (A) |
| cur / rent | |

| | Material that allows: |
|-------------------------------------|---------------------------------|
| electrical conductor | Current to flow through easily. |
| | Has a low resistance |
| e / lec / tri / cal con / duct / or | |

| | Material that does not allow: |
|--|-------------------------------|
| electrical insulator | Current to flow easily. |
| | Has a high resistance |
| e / lec / tri / cal in / su / la / tor | |

| | Property of a material, can be: |
|-----------------------|---------------------------------|
| electric charge | positive |
| | negative |
| e / lec / tric charge | neutral |

| | If some components are |
|----------------|---|
| parallel | In separate loops in an electric circuit. |
| par / al / lel | |

| potential difference | Amount of energy in volts (V) shifted from The battery to the moving charge Or From the charge to circuit |
|---------------------------------|--|
| po / ten / tial dif / fer/ ence | components. |

| | A property of a component: |
|-----------------|--|
| resistance | Making it difficult for charge to pass through, in ohms Ω |
| re / sist/ ance | |

| series | Components in a circuit that are: |
|-----------|---|
| | In the same loop in an electric circuit |
| se / ries | |

| | Amount of energy in volts (V) shifted from: |
|-----------|---|
| voltage | Battery to moving charge or |
| volt/ age | From charge to circuit components |