



Skills

Knowledge

Mastery in Year 11

- Analyse – plan investigations, decide on methods, analyse data from graphs.
- Communicate – construct explanations, choose appropriate revision methods.
- Solve – Choose the equation to solve the problem. Rearrange for complex equations.

Mastery in Year 10

- Analyse – identify patterns from graphs and tables. Calculate quantities based on graphs.
- Solve – choose the equation to solve the problem. Rearrange more complex equations.
- Communicate – construct explanations, write clearly and concisely.

Mastery in Year 9

- Recall facts – identify revision techniques, use keywords and explanations.
- Rearrange and use equations.
- Enquire – identify hypotheses, choose variables, collect data, identify safety precautions.
- Analyse – discuss limitations of methods, construct explanations.

Mastery in Year 8

- Analyse – evaluate data, draw conclusions, explain results.
- Solve – identify anomalies and patterns.
- Communicate – present data using a line graph and line of best fit.
- Calculate – rearrange equations and identify units.

Mastery in Year 7

- Enquire – identify hypotheses, choose variables, collect data, identify safety precautions
- Analyse – draw results tables, draw graphs, describe patterns from graphs, conclusions.
- Calculate – rearrange a three variable equation and identify units.

