

PHYSICS



Knowledge

Mastery in Year 11

 Analyse – plan investigations, decide on methods, analyse data from graphs.

Skills

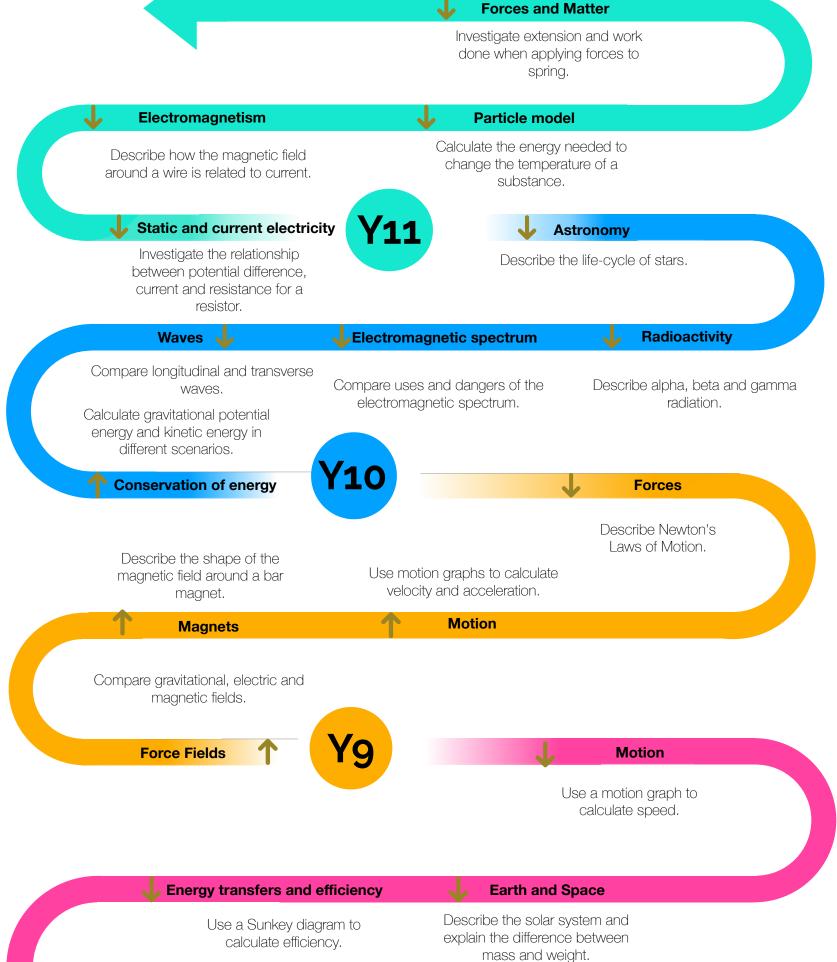
- Communicate construct explanations, choose appropriate revision methods.
- Solve Choose the equation to solve the problem.
 Rearrange for complex equations.

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.

Compare current in series and parallel circuits.

Forces

Electricity

Y8

Light

Compare light and sound waves.

Describe how sounds move through materials.

Sound

Identify forces andIdentify energy stores anddescribe their effect.energy transfers.

Forms of energy

9