



# Penyrheol Comprehensive School

Retrieve don't highlight

Advice for Exams:

Read each question carefully and highlight/circle command words and key terms.

Match the number of marks with the number of points you need to make.

Follow command words like, describe, explain, compare.

Use a pencil for graphs. Add a line of best fit (unless you are told to join the points up).

On the QER question, make sure you use capital letters and full stops. Don't write one long sentence.

Subject:

Applied Science (Unit 1)

Key Dates:

Unit 1 exam on Wednesday 12<sup>th</sup> June (am)

1hour 30minutes

Suggested revision tools/strategies:

Quizlet- join **SGoulden13** class, Spacing/Retrieval Sheets, Revision Questions.

Self-quizzing from Booklets, Self-assess on the Revision Lists.



KEEP  
CALM  
AND  
REVISE

Week beginning (Monday)		Suggested Topics to Revise:	Page Numbers
Feb 25 <sup>th</sup> 2019	February Half Term	Cells, tissues/organs, diffusion, respiration.	2-8
March 4 <sup>th</sup>		The respiratory system/alveoli adaptations/mechanism of breathing/percentage gases in air  Enzymes/optimum conditions of enzymes/denaturing  (HT: lock and key model, collisions between enzymes and substrate)	9-13
March 11 <sup>th</sup>		The digestive system, digestion, peristalsis, food tests  Enzymes and bile/Absorption and model gut	14-19
March 18 <sup>th</sup>		Sankey diagrams/calculating efficiency/calculating power  Evaluating renewable energy technologies/payback times/evaluating power generation (fossil fuel, nuclear etc.)	20-33
March 25 <sup>th</sup>		The National Grid  Conduction, convection, radiation/home insulation and payback times	34-44
April 1 <sup>st</sup>		Efficiency of car engines/calculating the cost of electricity	45-47
April 8 <sup>th</sup>		Current, voltage and resistance/series and parallel circuits/resistance- thermistors and LDRs	49-52
April 15 <sup>th</sup>	Easter Holidays	Current-voltage graphs/Ohm's Law  Fuses/calculating current and power  Elements and compounds/atoms and ions/atomic number and mass number	53-62

Retrieval  
Activities

April 22 <sup>nd</sup>		Water treatment/desalination/solubility curves Hard water Earth's structure/tectonic plates and continental drift	63-72
April 29 <sup>th</sup>		Changing atmosphere Periodic table/groups 1 and 7/balancing equations	73-74
May 6 <sup>th</sup>		Obtaining raw materials/fractional distillation of crude oil/polymerisation/cracking	75-77
May 13 <sup>th</sup>		Reactivity of metals/blast furnace/oxidation and reduction Electrolysis and electroplating	78-82
May 20 <sup>th</sup>		Acid reactions and making salts	84-88
May 27 <sup>th</sup>	Whitsun Half Term	Revise BIOLOGY topic areas	2-19
June 3 <sup>rd</sup>		Revise PHYSICS topic areas	20-59
June 10 <sup>th</sup>		Revise CHEMISTRY topic areas	60-88

Exam  
Q/Past  
Paper  
Practice