A LEVEL PHYSICS

DAILY WORKOUT

Year 1: July - October

Question Index

BOOK 1

Daily Workout - Book 1 - July

	Question 1	Question 2	Question 3
1st	Trigonometry	Relationships	E_k and momentum
2nd	Trigonometry	Relationships	Vectors
3rd	Pythagoras	Relationships	Sound calculation
4th	Pythagoras	Relationships	Electricity calculation
5th	Pythagoras	Relationships	Atoms
6th	Pythagoras	Relationships	Electricity calculation
7th	Standard form	Trigonometry	Motion calculation
8th	Standard form	Trigonometry	Waves calculation
9th	Constants	Rearranging equations	Motion calculation
10th	Maths skills	Rearranging equations	Motion calculation
11th	Maths skills	Rearranging equations	Motion calculation
12th	Maths skills	Rearranging equations	Waves calculation
13th	Maths skills	Definition	Vector diagram – forces
14th	Averages	Definition	Vector diagram – forces
15th	Averages	Definition	Resultant force diagram
16th	Standard form	Identifying forces	Resultant force calculation
17th	Standard form	Radiation	Resultant force diagram
18th	Significant figures	Energy calculation	Resultant force calculation
19th	Significant figures	Trigonometry	Radiation
20th	Significant figures	Components of a force	Motion calculation
21st	Maths skills	Components of a force	Energy calculation
22nd	Definition	v-t graph	Electricity calculation
23rd	Definition	Graph skills	Resistors calculation
24th	Definition	Graph skills	Sound calculation
25th	$y = mx + c$	Rearranging equations	Atoms
26th	$y = mx + c$	Rearranging equations	Motion calculation
27th	$y = mx + c$	Rearranging equations	Reflection
28th	$y = mx + c$	Rearranging equations	Silds, liquids, gases
29th	$y = mx + c$	Trigonometry	Energy calculation
30th	Sketch graph	Definition	Motion calculation
31st	Sketch graph	Definition	Atoms

Daily Workout - Book 1 - August

	Question 1	Question 2	Question 3
1st	Circle	Vector diagram	Base units
2nd	Circle	Symbols	Derived units
3rd	Triangle	Vector diagram	Components of a force
4th	Sphere	Constants	Resultant force
5th	Sphere	Relationships	Resistors calculation
6th	Cylinder	Graphs	Energy calculation
7th	Sphere	Rearranging equations	Wave calculation
8th	Wire	Rearranging equations	Radioactivity
9th	Cylinder	Rearranging equations	Gas pressure
10th	$y = mx + c$	Rearranging equations	Force calculation
11th	$y = mx + c$	Rearranging equations	Energy calculation
12th	$y = mx + c$	Variables	Wave calculation
13th	Circle	Graphs	Electricity calculation
14th	Graphs	Graphs	Radioactivity
15th	Graphs	Constants	Gas pressure
16th	Relationships	Rearranging equations	Derivation
17th	Relationships	Rearranging equations	Force/motion calculation
18th	Graphs	Rearranging equations	Energy calculation
19th	Graphs	Angles	Practical data
20th	Relationships	Angles	Wave refraction
21st	Graphs	Angles	Energy calculation
22nd	Graphs	Angles	Radioactivity
23rd	Definition	Definition	Pressure in a fluid
24th	Definition	Electricity	Relationships
25th	Definition	Gas pressure	Radioactivity
26th	Graphs	Relationships	Energy calculation
27th	Definition	Relationships	Practical graph
28th	Angles	Derivation	Refraction calculation
29th	Angles	Circular motion	Electricity calculation
30th	Graphs	Graphs	
31st	Graphs	Graphs	

Daily Workout - Book 1 - September

	Question 1	Question 2	Question 3
1st	Trigonometry	Derived units	Waves
2nd	Trigonometry	Derived units	Waves
3rd	Trigonometry	Derived units	Practical – Hooke's law
4th	Trigonometry	Derived units	Force on a slope
5th	Pythagoras	Derived units	Force on a slope
6th	Maths skills	Definition	Force on a slope
7th	Graphs	Definition	Force on a slope
8th	Wave calculation	$y = mx + c$	Graphs
9th	Definition	Force on a slope	
10th	Maths skills	Constants	Force on a slope
11th	Maths skills	Graphs	Force on a slope
12th	Maths skills	Electrical components	Force on a slope
13th	Rearranging equations	$y = mx + c$	Force on a slope
14th	Definition	Vector diagrams	Graphs
15th	Circuit symbols	Vector diagrams	Scalars and vectors
16th	Circuit symbols	Energy	Resultant force
17th	Relationships	Energy calculation	Resultant force
18th	Units	Energy calculation	Resultant force
19th	Forces	Refraction	Resultant force
20th	Rearranging equations	Transformers	Energy/motion calculation
21st	Circle	Electricity calculation	Definitions
22nd	Rearranging equations	Resistors calculation	Momentum calculation
23rd	$y = mx + c$	Resistors calculation	Electricity calculation
24th	Units	EM spectrum	Electricity calculation
25th	Units	Electricity	Refraction
26th	Graphs	IV characteristics	Graphs
27th	$y = mx + c$	IV characteristics	Graphs
28th	$y = mx + c$	IV characteristics	Graphs
29th	Units	Resultant force	Electrical circuits
30th	Circle	Derived units	Electrical circuits

Daily Workout - Book 1 - October

	Question 1	Question 2	Question 3
1st	Circle/sphere	Vernier scale	Electricity calculation
2nd	Constants	Vernier scale	Standing/progressive waves
3rd	Rearranging equations	Vernier scale	Refraction
4th	Rearranging equations	Vernier scale	Momentum calculation
5th	Standard form	Vernier scale	Electricity
6th	Standard form	Motion calculation	Force on a slope
7th	Averages	Motion calculation	Force on a slope
8th	Graphs	Graphs	
9th	Sphere	Definition	IV characteristics
10th	Sphere	Definition	Standing waves
11th	Unit conversion	Micrometer	Practical
12th	Unit conversion	Micrometer	Graphs
13th	Trigonometry	Micrometer	Graphs
14th	Trigonometry	Micrometer	Electricity
15th	Angles	Vernier scale	Standing waves
16th	Standard form	Definition	Absolute uncertainty
17th	Unit conversion	Definition	Percentage uncertainty
18th	Unit conversion	Rearranging equations	Practical
19th	Unit conversion	Moments	Terminal velocity
20th	Units	Radiation	Terminal velocity
21st	Refraction	Moments	Graphs
22nd	Constants	Definition	Electrical circuits
23rd	Graphs	Graphs	
24th	Graphs	Definition	Electricity calculation
25th	Graphs	Graphs	
26th	Angles	Definition	Refraction
27th	Angles	Practical	Motion calculation
28th	Angles	Practical	Resistors calculation
29th	Graphs		
30th	Graphs	Efficiency	Electricity calculation
31st	Wire	Efficiency	Refraction