A LEVEL PHYSICS DAILY WORKOUT

Year 1: July - October

Question Index







Daily Workout - Book 1 - July

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

Daily Workout - Book 1 - August

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

Daily Workout - Book 1 - September

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

Daily Workout - Book 1 - October

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