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Brain Power, Focus Concentration  
Music, 161 VCE Physics 2012.  
Exam Two. Question 8a, 8b, 8c.  
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Revision Topic 2 for P1

Electric Potential Difference |  
Electricity | Don't Memorise What  
is electricity? - Electricity  
Explained - (1) ~~Electric~~  
~~Vocabulary Potential Difference~~  
~~What is voltage?~~

VCE Physics: Challenging

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Questions: Episode 8: Special  
Relativity Electric Field of Parallel  
Plates Electric Fields: Crash  
Course Physics #26 Gravitational  
Fields (VCE Physics unit 3)  
Equations for GCSE physics.  
MUST LEARN!! Revision for 9-1  
GCSE Physics or combined

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science ~~Lesson 1~~ Voltage,  
~~Current, Resistance (Engineering  
Circuit Analysis)~~ VCE Physics  
2010. Exam Two. Question 1, 2, 3,  
4, 5. Electric Power VCE Physics  
2012. Exam Two. Question 3.  
Electric Power VCE Physics 2010.  
Exam Two. Question 12, 13.

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## Electric Power

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VCE Physics 2012. Exam Two.

Question 4a, 4b, 4c, 4d. Electric

Power VCE Physics 2012. Exam

Two. Question 1a, 1b. Electric

Power ~~VCE Physics 2012. Exam~~

~~Two. Question 5a, 5b, 5c. Electric~~

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(with MINIMAL Study) ~~Vce  
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justin on Electric fields podcast;  
VCE Physics on Light & matter  
podcast; VCE Physics on Exam  
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Posts. Energy levels; Electron  
Diffraction – F-J ' s Physics;  
Electron Diffraction: A-level  
Physics; Professor Dave:  
Quantization of Energy

~~Electricity | [vcephysics.com](http://vcephysics.com)~~

Posted on July 9, 2012 by VCE

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## Electricity

Physics This animation shows the operation of a transformer, designed to step voltages up or down for more efficient & safer transfer of energy. The primary & secondary wires are wrapped around a solid iron core. Changing current in the primary ...

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~~Electric Power | vcephysics.com~~  
Electricity basics podcast Posted  
on April 19, 2011 by VCE Physics  
Electric charge, Current, Potential  
difference, Resistance, Ohm ' s law,  
Series circuits, Parallel circuits,  
Combination circuits – series +

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parallel, Power.

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VCE Physics on Exam time  
podcast; VCE Physics on Forces &  
motion quiz; KierenM on Forces &  
motion quiz; Recent Posts.



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Veritasium – Why no one has measured the speed of light;  
Veritasium – How Kodak Exposed The Atomic Bomb; Veritasium – Why Gravity is NOT a Force;  
Energy levels; Electron Diffraction  
– F-J ' s Physics; Tags

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The VCE Physics curriculum is detailed in the VCE Physics Study Design. The curriculum for all VCE subjects (including physics) is administered by the Victorian Curriculum and Assessment

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Authority (VCAA). For further information about this book, read the Foreword.

~~VCE Physics – Wikibooks, open books for an open world~~

PHYSICS FORMULA SHEET 2

Physics formulas Motion and

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## Electricity

related energy transformations  
velocity; acceleration  $v$   $s^{-1}$   $a$   $v$   $t^{-1}$   
 $=$   $=$  ; equations for  
constant acceleration  $v$   $u$   $a$   $t$   $s$   $t$   $a$   $t$   
 $v$   $t$   $u$   $a$   $s$   $v$   $u$   $t$   $= +$   $= +$   $= -$   $= +$   
 $= +$   $1$   $2$   $1$   $2$   $2$   $1$   $2$   $2$   $2$   $2$  Newton's  
second law  $F = ma$  circular  
motion  $a$   $v$   $r$   $r$   $T$   $= =$   $2$   $2$   $2$   $4$

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Hooke ' s law  $F = -kx$  elastic  
potential energy  $\frac{1}{2}kx^2$   
gravitational potential energy near  
the

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~~—Formula sheet~~

The VCE Physics Course includes

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the following topics for study:  
Circular Motion. Electric Motors.  
Electric Power. Electric  
Transmission. Electricity  
Generation. Electromagnetic  
Induction. Electronics and  
Photonics | Amplifiers. Electronics  
and Photonics | Circuits.

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Electronics and Photonics |  
Transducers. Further Electronics.  
Interactions of Light and Matter

~~VCE Physics – Studyclix~~

Hang masses from springs and  
discover how they stretch and  
oscillate. Compare two mass-

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spring systems, and experiment with spring constant. Transport the lab to different planets, slow down time, and observe the velocity and acceleration throughout the oscillation.

Energy | ~~vcephysics.com~~

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GCSE Physics Electricity learning resources for adults, children, parents and teachers.

~~Electricity – GCSE Physics  
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Physics formulas Motion and

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## Electricity

related energy transformations  
velocity; acceleration  $v$   $s$   $t$   $a$   $v$   $t$   
 $= =$  ; equations for  
constant acceleration  $v_u$   $a$   $t$   $s_u$   $t_a$   $t$   
 $s_v$   $t_a$   $t$   $v_u$   $a_s$   $s_v$   $u_t$   $= +$   $= +$   $= -$   $= +$   
 $= +$   $1$   $2$   $1$   $2$   $2$   $1$   $2$   $2$   $2$   $2$   $2$  Newton ' s  
second law  $F = ma$  circular  
motion  $a$   $v$   $r$   $r$   $T$   $= =$   $2$   $2$   $2$   $4$

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Hooke ' s law  $F = -k x$  elastic  
potential energy  $\frac{1}{2} k(x)^2$   
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and experiments which define the physical world, while Units 3&4 investigate fields in the context of motion & electricity and the contradictory models of light and matter.

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## ~~Physics Unit 1~~

VCE Physics provides students with opportunities to explore questions related to the natural and constructed world. The study provides a contextual approach to exploring selected areas within the discipline including atomic physics,

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electricity, fields, mechanics,  
thermodynamics, quantum physics  
and waves.

~~Accreditation Period Units 1 and 2  
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VCE Physics provides students  
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questions related to selected areas within the discipline including atomic physics, electricity, fields, mechanics, thermodynamics, quantum physics and waves.

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The new editions of the Jacaranda

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VCE Physics series form a complete suite of contemporary resources, designed to inspire curiosity and scientific investigation while preparing your students for VCE success. Refreshed content aligns to the Study Design, and now

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includes comprehensive teacher support so you can teach your class, your way.

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~~VCE~~

VCE Physics examines models and ideas used to make sense of the

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world. By looking at the way matter and energy interact through observations, measurements and experiments, students expect to gain a better understanding of the underlying laws of nature. What are we going to be studying? The Physics course is divided up into

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four units.

~~VCE Physics — Clonard College  
Geelong~~

VCE Physics Units 3&4 Presented  
by: ALEVINE MAGILA Exam  
Revision Lecture • Introduction •  
How do things move without

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contact? • How are fields used to move ... still not enough energy to release electrons from the metal plate. Observations vs Predictions

### THE PHOTOELECTRIC EFFECT

55 Observations 1. There is a frequency called the



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~~VCE Physics Units 3&4 Exam  
Revision Lecture~~

Effects of fields – electric fields

1.21 Apply electric field and  
electric force concepts

including  $E = k \frac{Q}{r^2}$  and  $F = k \frac{q_1 q_2}{r^2}$ .  
1.21.1 Electric field  
around a point charge. 1.21.2

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Force between electrostatic charges. 53 1.22 Describe the interaction of two 53 electric fields, allowing that electric charges can either attract ...

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