

Content



Pods



Check & Challenge



Ready Made Assignment



Additional Resources



In Production





Physics

Edexcel

Getting Ready for KS4 (GCSE)

Getting Ready for KS4 (GCSE) Physics

Getting Ready for KS4 (GCSE)	GRF-01-001		
Magnetic Fields	PHYS-2053		
Braking Distance	PHYS-2122		
Stopping Distance	PHYS-2126		
Resultant Forces	PHYS-2109		
Thinking Distance	PHYS-2128		
Circuit symbols	PHYS-2030		
Series & Parallel Circuits	PHYS-2025		
Hooke's Law	PHYS-2099		
Investigate the Relationship Between Force and Extension for a Spring	PHYS-28-001		
Distance/Time Graphs	PHYS-2105		

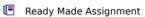
2/Motion and forces

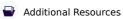
2/Motion and forces

Vectors & Scalars	PHYS-2112		
Acceleration	PHYS-2104		
Velocity/Time Graphs	PHYS-2113		
SUVAT	PHYS-2111		
Momentum	PHYS-2117		
Newton's Second Law	PHYS-2106		
Newton's Second Law in Impacts	PHYS-2120		
Stopping Distance	PHYS-2126		
Thinking Distance	PHYS-2128		
Braking Distance	PHYS-2122		
Work Done	PHYS-2129		
Speed	PHYS-2110		
Distance/Time Graphs	PHYS-2105		

Symbol Keys

 ♥ Check & Challenge









3/Conservation of energy

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Energy Stores and Transfers	PHYS-29-001		
What is Energy?	PHYS-29-005		
Gravitational Potential Energy	PHYS-2083	\bigcirc	
Friction & Heat	PHYS-2082		
U-Values	PHYS-2078		
Insulation	PHYS-2091		
Insulation in the Home	PHYS-2075		
Efficiency	PHYS-29-002		
Power Stations	PHYS-2044		
Fossil Fuels	PHYS-2040		
Nuclear	PHYS-2043		
Biomass	PHYS-2039		
Geothermal	PHYS-2041		
Wind	PHYS-2048		
Water	PHYS-2047		
Solar	PHYS-2045		

4/Waves

4/Waves

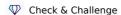
Frequency of a Wave	PHYS-2202		
Wavelength of a Wave	PHYS-2207		
Wavelength and the Wave Formula	PHYS-2173		
Amplitude of a Wave	PHYS-2201		
Reflection at a Plane Surface	PHYS-2193		
Light & Sound in Different Substances	PHYS-2183		
Hearing Sound	PHYS-2178		
Ultrasound	PHYS-2186		
Seismic Waves	PHYS-2200		

5/Light and the electromagnetic spectrum

5/Light and the electromagnetic spectrum



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Reflection	PHYS-2180		
Wireless Signals	PHYS-2167		
Infrared	PHYS-2169		
Radio Waves	PHYS-2172		
Ultraviolet Light	PHYS-2174		
X-rays	PHYS-2176		
Refraction	PHYS-2181		
Types of Wave	PHYS-2185		
Microwaves	PHYS-2170		
Total Internal Reflection	PHYS-2184		
Visible Light	PHYS-2175		
Seeing Light	PHYS-2182		
Ray Diagrams	PHYS-2192		
Power of Lenses	PHYS-2191		
Gamma Radiation	PHYS-2168		
Concave and Convex Lenses	PHYS-2187		
Object, Image and Focal Point	PHYS-2190		
The Effect Of Wavelength	PHYS-2171		

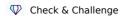
6/Radioactivity

6/Radioactivity

The Atom	PHYS-2161	\bigcirc	
Ionising & Detecting Radiation	PHYS-2149		
Fusion	PHYS-2153	\bigcirc	
Nuclear Reactors	PHYS-2155		
Protons, Neutrons & Quarks	PHYS-2160	\bigcirc	
Isotopes and the Periodic Table	PHYS-2158	\bigcirc	
Medical and Industrial Tracers	PHYS-2141	\bigcirc	
Background Radiation	PHYS-2144	\bigcirc	
Fission	PHYS-2152	\bigcirc	
Half-life	PHYS-2148	\bigcirc	
Alpha Particles	PHYS-2143		
Beta Particles	PHYS-2145		

Symbol Keys







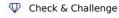


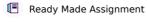
Radioactive Decay, Transmutation & Randomness	PHYS-2150			
Dangers of Radioactivity	PHYS-2146			
Uses Of Radiation	PHYS-2151			
Nuclear Waste	PHYS-2156			
Gamma Rays	PHYS-2147			
PET and CAT Scans	PHYS-2139		\bigcirc	
7/Astronomy				
7/Astronomy				
The Planets of the Solar System	PHYS-2009		\bigcirc	
Telescopes	PHYS-2018		\bigcirc	
Mass and Weight	PHYS-2101		\bigcirc	
The Universe: Start & Finish	PHYS-2010			
Gravity & Orbits	PHYS-2012			
Moons	PHYS-2015			
Meteors, Comets etc.	PHYS-2014			
Satellite Uses	PHYS-2016			
Life & Death of Stars	PHYS-2001			
Microwave Background	PHYS-2005			
Redshift	PHYS-2006			
Sun & Other Stars	PHYS-2008	\triangleright	\bigcirc	
8/Energy - Forces doing work				
8/Energy - Forces doing work				
Work Done (Part 2)	PHYS-2087			
Power	PHYS-29-004	\triangleright	\bigcirc	
9/Forces and their effects				
9/Forces and their effects				
Friction & Heat	PHYS-2124			
Resultant Forces	PHYS-2109			
Moments	PHYS-2133			

10/Electricity and circuits



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10/Electricity and circuits

Circuit symbols	PHYS-2030		\bigcirc	
Ohm's Law	PHYS-2023			
Series & Parallel Circuits	PHYS-2025	\triangleright		
Voltage	PHYS-2027			
Electron Flow	PHYS-2021			
Resistors	PHYS-2035			
Variable Resistors	PHYS-2038			
Thermistors	PHYS-2036			
Light-Dependent Resistors	PHYS-2031			
Resistor Combinations	PHYS-2024			
Factors Affecting Resistance	PHYS-2022			
I & V Graphs	PHYS-2026		\bigcirc	
AC/DC and Rectifiers	PHYS-2057			
Power in the National Grid	PHYS-2063			
Cost of Mains Electricity	PHYS-2059			
Energy Transfers in the Home	PHYS-2074			
Insulation	PHYS-2060			
Fuses	PHYS-2061			
Plugs	PHYS-2062			
Power of an Electrical Device	PHYS-2064	\triangleright	\bigcirc	

11/Static electricity

11/Static electricity

Charge	PHYS-2066	\bigcirc	
Charging Through Friction	PHYS-2067		
Like & Unlike Charges	PHYS-2070		
Uses of Electrostatics	PHYS-2071		
Dangers of Static Electricity	PHYS-2069		

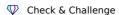
12/Magnetism and the motor effect

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Magnetic Fields	PHYS-2053	\bigcirc	
Electromagnets and Solenoids	PHYS-2049		

Symbol Keys

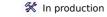
Pods **%** In production

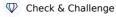




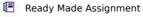
Left Hand Rule and Right Hand Rule	PHYS-2052	\triangleright	\bigcirc	
13/Electromagnetic induction				
13/Electromagnetic induction				
Electromagnetic Induction	PHYS-2050			
Generators	PHYS-2051			
Transformers in the National Grid	PHYS-2056			
14/Particle model				
14/Particle model				
Heat & Temperature	PHYS-2090			
Kinetic Theory	PHYS-2092			
Density	PHYS-2210			
States of matter	PHYS-2214			
Changes of state	PHYS-2211			
Specific Heat Capacity	PHYS-2093	\triangleright		
Specific Latent Heat	PHYS-2095			
Gas Pressure	PHYS-2098			
15/Forces and matter				
15/Forces and matter				
Elastic Potential Energy	PHYS-2097			
Springs and Rubber	PHYS-2103	\triangleright		
Hooke's Law	PHYS-2099			
Hydraulics & Pneumatics	PHYS-2100			
Physics Practicals				
Physics Practicals				
Investigate the Relationship Between Force and Extension for a Spring	PHYS-28-001	\triangleright		
Investigating the Densities of Solids and Liquids	PHYS-28-002			
An Investigation to Find the Wavelength, Frequency and Speed of Waves in a Solid and a Liquid	PHYS-28-003	\triangleright	\bigcirc	
Investigating the Current-Voltage (I-V) Characteristics of a Component	PHYS-28-004	\triangleright		

Symbol Keys Pods

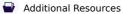
















Investigate the Relationship Between Force, Mass and Acceleration by Varying the Masses Added to Trolleys and the Force Pulling the Trolley	HYS-28-006 ▷	\bigcirc	
Investigation of the Characteristics of Series	HYS-28-007 ▷		
Refraction of Light by Different Substances	HYS-28-008 D	\bigcirc	
Investigate How the Amount of Infrared Radiation Emitted or Absorbed by a Surface Phopends on the Nature of that Surface	HYS-28-010 D	\bigcirc	
Investigating the Size of the Force on a Current Carrying Conductor Inside a PH Magnetic Field	HYS-28-014 D	\bigcirc	
An Investigation to Determine the Specific	HYS-28-019 D	\bigcirc	

Revision Skills and Tips - Physics

Revision Tips

Introduction	REV-001-009-001		
Before You Begin	REV-001-009-002		
Equations and Units	REV-001-009-003	\triangleright	
Mnemonics	REV-001-009-005		
Summary	REV-001-009-006		
Web Links	REV-001-009-007		

Revision and Study Skills

Introduction	REV-001-004-001	
Planning for Revision	REV-001-004-002	
Developing Independent Study Skills for Success	REV-001-004-003	
Managing Exam Stress	REV-001-004-004	
Keeping Your Brain Active During Revision	REV-001-004-005	
Summary	REV-001-004-006	
Web Links	REV-001-004-007	

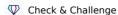
GCSEPod's Top Revision Tips

GCSEPod's Top Revision Tips REV-011-001 ▷ ■

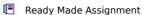
Revision Tips



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Physics: Revision Tips

Scenarios to Help Your Memory REV-01-001 ▷ ■

Getting Ready for KS5 (A Level)

Getting Ready for KS5 (A Level) Physics

Getting Ready for KS5 (A Level)	GRF-01-002	\triangleright	
Refraction	PHYS-2181		
Object, Image and Focal Point	PHYS-2190		
Ray Diagrams	PHYS-2192		
Radioactive Decay, Transmutation & Randomness	PHYS-2150	\triangleright	
Nuclear Reactions	PHYS-2154		
Alpha Particles	PHYS-2143		
Acceleration	PHYS-2104	\triangleright	
Series & Parallel Circuits	PHYS-2025		
Voltage	PHYS-2027		
Factors Affecting Resistance	PHYS-2022		
Bulbs	PHYS-2028		
Moments	PHYS-2133		
Momentum	PHYS-2117		
Momentum & Collisions	PHYS-2119		
Gravity & Orbits	PHYS-2012		
Satellite Uses	PHYS-2016		
Gravitational Potential Energy	PHYS-2083		
Insulation	PHYS-2060		
Conduction	PHYS-2088	\triangleright	

