



## Guseley School Revision Support

### **Subject: Science – Triple Physics – Feb PPEs – Paper 2 Only**

The URL for Guseley School Science Resources can be found here:

[https://guseleyschool.sharepoint.com/sites/GS\\_Subjects\\_SC/Year%2011/Forms/AllItems.aspx](https://guseleyschool.sharepoint.com/sites/GS_Subjects_SC/Year%2011/Forms/AllItems.aspx)

Here you will find lots of resources including Knowledge Organisers and Past Paper Questions.

The 'Subject Area' on the table below refers to the areas that AQA will examine. How well do you know it? Tick the face for each then focus your revision on the areas with a 😐 or 😞.

Good Luck and ask your teacher if you are stuck!

#### Both Papers

	Topic	Subject Area	Exercise book/notes	😊	😐	😞
Both Papers 1 and 2	<b>Working Scientifically</b>	The Scientific Method				
		Communication and Issues Created by Science				
		Risk and Risk Management				
		Designing Investigations				
		Collecting Data				
		Processing and Presenting Data				
		Units and Equations				
		Drawing Conclusions				
		Uncertainties and Evaluations				
		Measurement Methods				



## Subject: Science – Triple Physics – Feb PPEs – Paper 2 Only

	Topic	Subject Area	Exercise book/notes	😊	😐	😞
PAPER 2	P5 Forces	Contact and non-contact forces				
		Weight, mass and gravity				
		Resultant forces and work done				
		Calculating forces				
		Forces and elasticity				
		Investigating springs				
		Moments				
		Fluid pressure				
		Up-thrust and atmospheric pressure				
		Distance, displacement, speed and velocity				
		Acceleration				
		Distance-time and velocity-time graphs				
		Terminal velocity				
		Newton's first and second laws				
		Newton's third law and inertia				
		Stopping distances				
		Reaction times				
Momentum						
Changes in momentum						
PAPER 2	P6 Waves	Transverse and longitudinal waves				
		Experiments with waves				
		Reflection				
		Electromagnetic (EM) waves and refraction				
		Investigating light RPA				
		Radio waves				
		Uses of EM waves				
		Dangers of EM waves				
		Lenses				
		Images and ray diagrams				
		Concave lenses and magnification				
		Visible light				
		Infra-red radiation and temperature				
		Black body radiation				
		Sound waves				
		Ultrasound				
Exploring structures using waves						
PAPER 2	P7 Magnetism and Electromagnetism	Permanent and induced magnetism				
		Electromagnetism				
		The motor effect				
		Electric motors and loudspeakers				
		The generator effect				
		Generators and microphones				
		Transformers				
PAPER 2	P8 Space Physics	The life cycle of stars				
		The solar system and orbits				
		Red shift and Big Bang				