



FORT PITT
GRAMMAR SCHOOL

GCSE Science

Biology, Chemistry and Physics

A **Beyond** ACADEMY
SCHOOLS TRUST

GCSE Sciences

- Key exam information
- Exam content information
- Revision resources
- Subject specific revision and exam technique
- Top tips for parents
- Top tips for students



Key Exam Dates



	Biology	Chemistry	Physics
Paper 1	<i>Tuesday 16th May AM</i> Separate: 1h45min Combined: 1h10min	<i>Monday 22nd May AM</i> Separate: 1h45min Combined: 1h10min	<i>Thursday 25th May AM</i> Separate: 1h45min Combined: 1h10min
Paper 2	<i>Friday 9th June PM</i> Separate: 1h45min Combined: 1h10min	<i>Tuesday 13th June AM</i> Separate: 1h45min Combined: 1h10min	<i>Friday 16th June AM</i> Separate: 1h45min Combined: 1h10min

Exam board

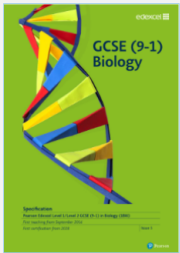


Exam Board: Edexcel

Course: 9-1 Sciences (2016)

Change specification:

Specification



First teaching: **2016**
First assessment: **2018**
Here you'll find everything you need to prepare for GCSE (9-1) Science including our specification and sample assessment materials.

Accessible papers: Unbeatable support

- Clear and accessible exam papers with detailed guidance.
- Unbeatable support throughout the qualification.
- Fast expert advice whenever you need.

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<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html#%2Ftab-Biology>

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html#%2Ftab-Chemistry>

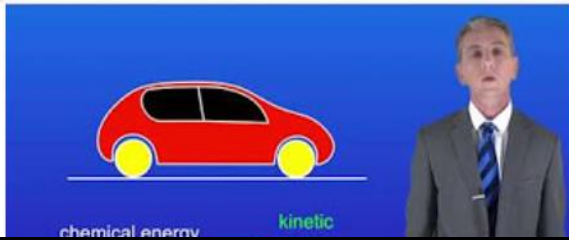
<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html#%2Ftab-Physics>

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html#%2Ftab-CombinedScience>

Specification booklets – already handed out by teachers

Revision resources

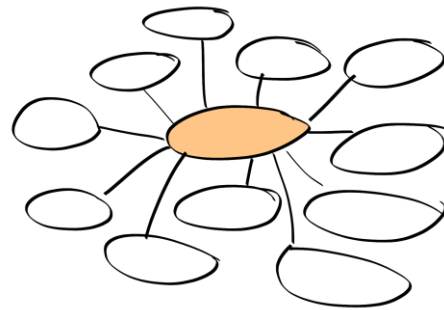
BBC
Bitesize



Freesciencelesson

SENECA

Quizlet



PHYSICS & MATHS TUTOR

Write your name here
Surname: _____ Other names: _____
Centre Number: [] [] [] [] [] [] Candidate Number: [] [] [] [] [] []
Pearson Edexcel
Level 1/Level 2 GCSE (9-1)
Physics
Paper 1
Higher Tier
Wednesday 23 May 2018 – Afternoon
Time: 1 hour 45 minutes Paper Reference: 1PH0/1H
You must have:
Calculator, ruler
Total Marks: _____

Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer all questions.
- Answer the questions in the spaces provided – there may be more space than you need.
- Calculators may be used.
- Any diagrams may NOT be accurately drawn, unless otherwise indicated.
- You must show all your working out with your answer clearly identified at the end of your solution.

Information

- The total mark for this paper is 100.
- The marks for each question are shown in brackets.
- Use this as a guide as to how much time to spend on each question.
- In questions marked with an asterisk (*), marks will be awarded for your ability to structure your answer logically showing how the points that you make are related or follow on from each other where appropriate.
- A list of equations is included at the end of this exam paper.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

P60466A
www.pearson.com



Turn over >
Pearson

P Pearson
Edexcel

Mark Scheme (Results)

Summer 2018

Pearson Edexcel GCSE
In Physics (1PH0) Paper 1H



STUDY MIND

Subject specific revision and exam technique in Science



COMMAND WORDS – Need to understand difference between Describe/ Explain/ Compare *etc.*

KEY TERMINOLOGY - Learn the key words for each topic and use them in answers

CALCULATION QUESTIONS - Always write out the equation. Show your working out. Add units.

QUESTIONS WITH TABLES AND INFORMATION – Use it in your answer.

PAST PAPER PRACTICE - Use mark schemes with past papers. TIMED.

EQUATIONS & UNITS – Practise conversion. Follow instruction on significant figures. ECF.

CORE PRCTICALS – Know variables, method, how to analyse data. Draw it out.

Subject specific - PHYSICS



EQUATIONS – Just because you are given the sheet doesn't mean you don't need to practise.

UNITS – Practise standard form and conversion.

CORE PRACTICALS – Learn the specific vocabulary and practise using it. Precision and reliability.

ENERGY STORES AND TRANSFERS - In both Paper 1 and Paper 2.

WAVES and ELECTROMAGNETIC SPECTRUM – Topic most affected by Covid absence.

Subject specific - CHEMISTRY



STRUCTURE AND BONDING – Underpins many topics

CHEMICAL EQUATIONS – Practise ALOT .. It is a different language

EQUATIONS – Learn these and practise using them

CALCULATIONS – 3-step approach. Equation – Working out – Answer (with units). ECF.

LABELLED DIAGRAMS – Practise these. Ensure they are accurate.

Subject specific - BIOLOGY



CELLS, ENZYMES, TRANSPORT – Comes up in many contexts

TABLES AND GRAPHS – You need to practise this type of question A LOT

BIOLOGICAL IMAGES – You need to be able to draw, label, identify and measure.

SCIENTIFIC VOCABULARY – amount ~~..~~ Instead use “mass”, “volume” or “concentration”

PUNNETT SQUARES – Make sure you can draw these from a given context

EQUATIONS – Learn these and practise using them

As a parent/carer how can I help?



- Place equations around the house so they're visible
- Quiz understanding of command words and key word glossaries
- Use mark schemes (and Examiner reports) to help improve quality of answers
- Prioritise healthy diet, sleep and breaks

Top tips for students



1. Use your specification for each subject to identify what you do/don't know. Then act on this.
2. Go through your mock papers, identify areas of weakness and then work on them.
3. Check your understanding by completing past exam questions and marking them.
4. MOST IMPORTANTLY – If you still do not understand a concept ... speak with your teacher
5. Attend revision/intervention sessions.
6. Utilise the *huge* amount of resources available on Teams.