

Y11 science revision top tips

Monday 12th January 2026

The top questions I get asked at any Y11 parents' evening are:

- "What more can we be doing at home to help my child?"
- "What topics does my son/daughter need to revise more?"
- "What websites/resources should we go to for revision?"
- "How do I know what I'm doing is the right thing?"

Most parents just want to help directly with their child's learning, but not all have a science background.



HORSFORTH SCHOOL

Opportunity and achievement for all

Science Therapy Sheets

In each of your child's Google Classrooms we've posted a bio/chem/phys therapy sheet.

These give you things you can watch/do to help you with the topics you've identified as being a little bit weaker.

BIOLOGY		Activities ticked off: 0/428		GOOD		BETTER		BEST	
Date	Days left	Cognito videos	Cognito quizzes	Cognito worksheets	Textbook	Cognito exam practice	PMT question papers	PMT mark schemes	
Paper 1 13/05/25	128								
Paper 2 09/06/25									

CHEMISTRY		Activities ticked off: 0/379		GOOD		BETTER		BEST	
Date	Days left	Cognito videos	Cognito quizzes	Cognito worksheets	Textbook	Cognito exam practice	PMT question papers	PMT mark schemes	
Paper 1 19/05/25									
Paper 2 13/06/25									

PHYSICS		Activities ticked off: 0/362		GOOD		BETTER		BEST	
Date	Days left	Cognito videos	Cognito quizzes	Cognito worksheets	Textbook	Cognito exam practice	PMT question papers	PMT mark schemes	
Paper 1 22/05/25	137								
Paper 2 16/06/25	162								
Energy	Energy Stores & Transfer	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Energy Transfer Examples	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Kinetic Energy	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Gravitational Potential Energy & Kinetic	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Transfer Between KE & GPE	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Specific Heat Capacity	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Conservation of Energy	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Conduction, Convection & Radiation	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Radiating Unwanted Energy Transfer	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Power & Work Done	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
Electricity	Efficiency	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Energy Resources Introduction	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Fossil Fuels & Nuclear Energy	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Wind & Solar	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Development of Power	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Hydroelectricity	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Renewables	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Hydroelectricity & Tidal Barrages	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Circuit Introduction	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	VIR Equation & V Graphs	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
Current, Charge & Time	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Components	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Series Circuits	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Parallel Circuits	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Energy & Power Formulas	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
AC & DC Currents	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Plugs & Wires	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Fuses & Earthing	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Static Electricity	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Electric Fields	0/100	0/50	0/100	0/100	0/100	0/100	0/100		
Particles & Matter	Particle Model & States of Matter	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Density	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Specific Latent Heat	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Factors Affecting Gas Pressure	0/100	0/50	0/100	0/100	0/100	0/100	0/100	
	Pressure & Volume (Pv = Constant)	0/100	0/50	0/100	0/100	0/100	0/100	0/100	

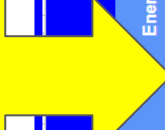


A completion bar will grow here the more things you tick off!



PHYSICS		Activities ticked off: 0/362						
		GOOD			BETTER	BEST		
		Cognito video lessons	Cognito quizzes	Cognito flashcards	Tassomai	Cognito exam practice	PMT question papers	PMT mark schemes
Energy	Energy Stores & Systems	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Energy Transfer Examples	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Kinetic Energy	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Gravitational Potential Energy & Gravity	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Transfer Between KE & GPE	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Specific Heat Capacity	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Conservation of Energy	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Conduction, Convection & Radiation	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Reducing Unwanted Energy Transfers	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Power & Work Done	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Efficiency	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Energy Resources Introduction	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Fossil Fuels & Nuclear Energy	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Wind & Solar	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
Geothermal Power	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>					
Biofuels	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>					
Hydroelectricity & Tidal Barrages	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>					
Electricity	Circuits Introduction	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	V=IR Equation & I-V Graphs	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Charge, Current & Time	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Components	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Series Circuits	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Parallel Circuits	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Energy & Power Formulas	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	National Grid	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	AC & DC Current	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Plugs & Wires	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Fuses & Earthing	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Static Electricity	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Electric Fields	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
	Particle model of matter	Particle Model & States of Matter	VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>			
Density		VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
Specific Latent Heat		VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
Factors Affect Gas Pressure		VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				
Pressure & Volume (PV = Constant)		VIDEO <input type="checkbox"/>	QUIZ <input type="checkbox"/>	FLASHCARDS <input type="checkbox"/>				

Topics broken down into subtopics



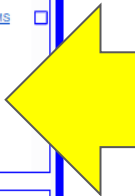
PAPER 1

Revision videos, quizzes and flashcards



Find it in your child's science Google Classrooms!

Tons of exam practice questions split up by topic



What's on it?



Hi Neil

Teacher

0 XP

T W T F S S M

Set daily goal

GCSE



Biology

No course selected



Chemistry

No course selected



Physics

GCSE - AQA Higher Combined



Maths

No course selected

The videos and exam questions are unlimited - but there's a daily limit to the flashcards etc...

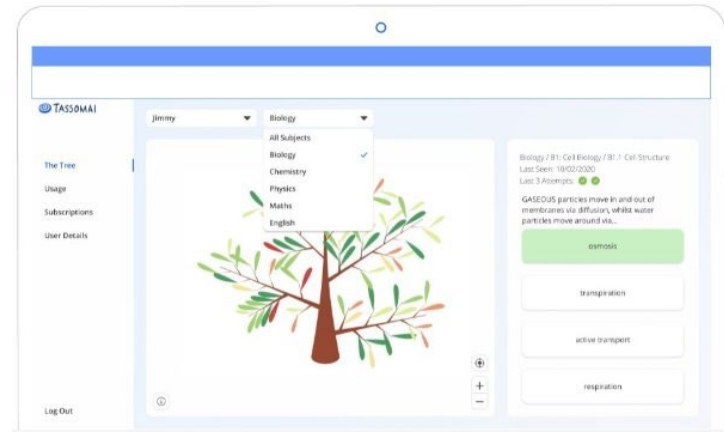
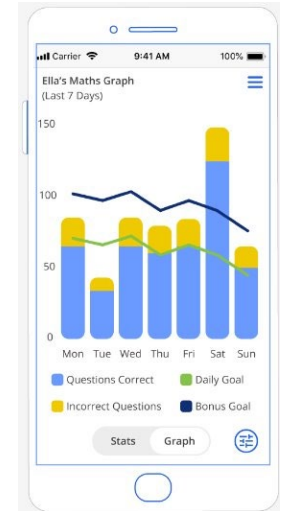
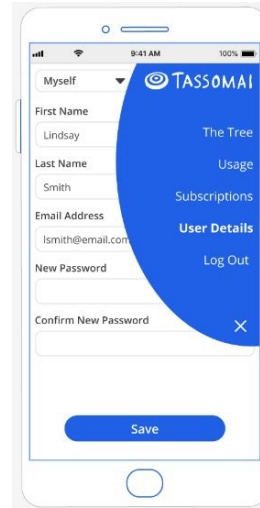
...although I've never been stopped with my teacher account 🤔 😊

Most of it linked to Cognito - an excellent science revision website

[Link to Cognito here](#)

Don't forget Tassomai!

- Tassomai is amazing for keeping on top of the basics and ensuring students have a good base to start from - keep doing it!
- Some people don't realise it's also a great place to identify weaknesses too.
- "The Tree" shows loads of information to help identify where you can help your child:
 - Branch = topic
 - Colour of leaf = how well they answer that question
 - Size of leaf = how many times they've answered that question



The main thing to remember...

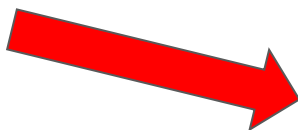
The sooner students practise answering questions the better!

Sometimes they will need to grow in confidence first with the videos, flashcards, Tassomai etc., but if they avoid doing exam questions they simply won't do as well as they could.

You can watch all the weightlifting videos and listen to all the weightlifting podcasts in the world... but if you don't actually give it a go, you won't get much better!

PHYSICS		Activities ticked off: 0/362							
Date	Days left	GOOD			BETTER		BEST		
Paper 1 22/05/25	137	Cognito video lessons	Cognito quizzes	Cognito flashcards	Tassomai	Cognito exam practice	PMT question papers	PMT mark schemes	
Paper 2 16/06/25	162								
PAPER 1	Energy	Energy Stores & Systems	VIDEO	QUIZ	FLASHCARDS				
		Energy Transfer Examples	VIDEO	QUIZ	FLASHCARDS				
		Kinetic Energy	VIDEO	QUIZ	FLASHCARDS				
		Gravitational Potential Energy & Gravity	VIDEO	QUIZ	FLASHCARDS				
		Transfer Between KE & GPE	VIDEO	QUIZ	FLASHCARDS				
		Specific Heat Capacity	VIDEO	QUIZ	FLASHCARDS				
		Conservation of Energy	VIDEO	QUIZ	FLASHCARDS				
		Conduction, Convection & Radiation	VIDEO	QUIZ	FLASHCARDS		Click on "Topics" in the app and get your completion percentage!		
		Reducing Unwanted Energy Transfers	VIDEO	QUIZ	FLASHCARDS				
		Power & Work Done	VIDEO	QUIZ	FLASHCARDS			Power, Work Done & Efficiency	
		Efficiency	VIDEO	QUIZ	FLASHCARDS				
		Energy Resources	VIDEO	QUIZ	FLASHCARDS				
PAPER 1	Electricity	Fossil Fuels & Nuclear	VIDEO	QUIZ	FLASHCARDS				
		Wind & Solar	VIDEO	QUIZ	FLASHCARDS				
		Geothermal Power	VIDEO	QUIZ	FLASHCARDS				
		Batteries	VIDEO	QUIZ	FLASHCARDS				
		Hydroelectricity & T	VIDEO	QUIZ	FLASHCARDS				
		Circuits Introduction	VIDEO	QUIZ	FLASHCARDS				
		VIR Equation & I	VIDEO	QUIZ	FLASHCARDS				
		Change, Current & Components	VIDEO	QUIZ	FLASHCARDS				
		Series Circuits	VIDEO	QUIZ	FLASHCARDS				
		Parallel Circuits	VIDEO	QUIZ	FLASHCARDS				
		Energy & Power F	VIDEO	QUIZ	FLASHCARDS				
		National Grid	VIDEO	QUIZ	FLASHCARDS				
PAPER 1	Particle model of matter	AC & DC Current	VIDEO	QUIZ	FLASHCARDS				
		Plugs & Wiring	VIDEO	QUIZ	FLASHCARDS				
		Fuses & Earthing	VIDEO	QUIZ	FLASHCARDS				
		Static Electricity	VIDEO	QUIZ	FLASHCARDS				
		Cheeky Fields	VIDEO	QUIZ	FLASHCARDS				
		Particle Model & States of Matter	VIDEO	QUIZ	FLASHCARDS		Click on "Topics" in the app and get your completion percentage!		Particle Theory & Density
		Density	VIDEO	QUIZ	FLASHCARDS				
		Specific Latent Heat	VIDEO	QUIZ	FLASHCARDS				SHC & Latent Heat
		Factors Affect Gas Pressure	VIDEO	QUIZ	FLASHCARDS				
		Pressure & Volume (P-V - Constant)	VIDEO	QUIZ	FLASHCARDS				Particle Model of matter (H) GCSE
									Particle Model of matter (H) MS

AIM FOR THE RIGHT!



Does this work? The proof is in the results.

Year	Ave. grade	9s %	8+ %	7+ %	6+ %	5+ %	4+ %
2025	5.12	3.8	13.1	26.5	41.0	61.0	80.5
2024	5.06	3.0	8.2	19.1	37.0	59.1	84.8
2023	4.77	3.5	8.7	17.8	33.6	52.8	73.4
2022	5.11	4.3	11.7	26.6	40.8	62.1	77.3
2021	4.79	4.0	11.1	19.0	34.1	54.4	74.2
2020	4.67	2.1	6.4	15.2	26.2	52.5	74.1
2019	4.30	3.0	7.5	12.5	19.5	43.5	66.0
2018	4.44	1.3	3.5	9.6	23.9	46.5	71.3

Therapy sheets began Jan 2025

Tassomai began Jan 2024

Results were inflated this year after Covid

Best ever

2nd best

3rd best

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