

# Science

Mr. Caden

# Exam papers



- ▶ Double Science

- ▶ 6x 1hr 15 min

- ▶ Triple science

- ▶ 6 x 1hr 45 mins

QUESTION 1 OF 38

What is the charge on a sodium ion?

SHOW ANSWER

EXIT

NEXT CARD >

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## Physics Paper 1 Triple Science Revision Schedule (Higher Tier in **Bold**)

- Students are not expected to do all the activities on this sheet! For each sub topic use either
- (1) The AQA Physics GCSE Book and Summary Questions
  - (2) The PiXL Know it PPT and Questions (found in the powerpoint or in the separate word document)
  - (3) The Seneca Topic Recap and Video
  - (4) The GCSE Pod playlist (choose 2 videos within the playlist)
  - (5) Choose 3 exam questions from the red column, complete and self assess using the mark scheme

Topic	Kerboodle Online Textbook info page	Kerboodle Online Textbook Summary Questions		PiXL Know It PPT	PiXL Know It Questions	Seneca Topic		GCSE Pod	Exam Practice for specific subtopics	Additional Resources or activities
		Page	Question			Current	Recap			
1. Energy	Energy stores and systems	4	5	1,3,4	4-12	A 1-8	1.1.1	GCSE Pod <a href="https://youtu.be/tDkBy-Y1Z8">https://youtu.be/tDkBy-Y1Z8</a>	Questions (Ignore Momentum sections for now)	BBC Bitesize – Forms of energy
	Changes in energy	6,7	7	1,2			1.1.2		Answers to self assess above	BBC Bitesize – Energy transfers and efficiency
	Calculating Energy Changes in Systems	10,11,12,13	22	5,6	26	B 1-2, 6			Questions row 9 - 1 Part 1	GCSE BBC Bitesize Revision Physics 5 Energy Transfer 2
	Required Practical 1: Specific Heat Capacity	30,31	31	2,3	27				Questions row 9 - 13 part 2	YouTube: GCSE Science Revision – Specific Heat Capacity
	Power	20,21	23	3	28-29	B 3 - 5			Answers row 9-13 part 1	BBC Bitesize – Work, force and distance    BBC Bitesize – Work and power
	Useful and Wasted Energy transfers in a system	14, 15	15	1,2	41-43	C 1-8	1.1.4 - 1.15		Answers row 9-13 part 2	
	Required Practical 2: thermal insulators	24,25	35	2, 4			1.1.1		Efficiency QP	
	Efficiency	16,17	17	2,3	44-45		1.2.1-1.2.2		Efficiency MS	BBC Bitesize – Efficiency    Pass My Exams – Energy Transfer Diagram
National and global energy resources	36-42	47	1,2	59 - 67	D 1 - 12	1.3	Energy Resources QP	YouTube: Energy Resources    S-cool, the revision website – Non-renewa		
							Energy Resources MS			
Electricity	Standard Circuit diagram symbols	52	53	1,3	Page 4	A 1	2.1	Pod First Half Electricity <a href="https://youtu.be/ISA4WgLSVEA">https://youtu.be/ISA4WgLSVEA</a>	Electricity QP Part 1	BBC Bitesize – Circuit symbols
	Electrical charge and current	52,53	53	2	5-7	A 3-6			Electricity MS Part 1	Pass My Exams – Electric Current
	Current, Potential Difference and Resistance	54,55	62	3	8-9				Electricity QP Part 2	BBC Bitesize – Current, voltage and resistance
	Required Practical 3: Factors affecting resistance of electrical circuits	55	63	3					Electricity MS Part 2	Nuffield Foundation   Measuring resistance with a voltmeter and an amme
	Resistors	56	63	3	10				2.2	Electricity QP Part 3

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	<i>Topic</i>	<i>Key Terms</i>
<b>1. Energy</b>	Energy stores and systems	
	Changes in energy	
	Calculating Energy Changes in Systems	
	Required Practical 1: Specific Heat Capacity	
	Power	
	Useful and Wasted Energy transfers in a system	
	Required Practical 2: thermal insulators	

(4) The GCSE Pod playlist (choose 2 videos w

(5) Choose 3 exam questions from the red column, complete an

Kerboodle Online Textbook info page	Kerboodle Online Textbook Summary Questions		PIXL Know It PPT	PiXL Know It Questions	Seneca Topic		GCSE Pod
	Page	Question			Current	Recap	
	5	1,3,4	4-12	A 1-8	1.1.1	<a href="https://youtu.be/tDkBhy-Y1Z8">https://youtu.be/tDkBhy-Y1Z8</a>	GCSE Pod
4	7	1,2			1.1.2		
6,7	22	5,6	26	B 1-2, 6			
10,11,12,13	31	2,3	27				
30,31	23	3	28-29	B 3 - 5			
20,21	15	1,2	41-43	C 1-8	1.1.4 - 1.1.5		
14, 15	35	2, 4			1.1.1		
24,25	17	2,3	44-45		1.2.1-1.2.2		
16,17			58-67	D 1-12	1.3		

complete and self assess using the mark scheme

<b>SE Pod</b>	<b>Exam Practice for specific subtopics</b>	<b>Additional Resources or activities</b>
<b>GCSE Pod</b>	<u>Questions (Ignore Momentum sections for now)</u>	<u>BBC Bitesize – Forms of energy</u>
	<u>Answers to self assess above</u>	<u>BBC Bitesize – Energy transfers and efficiency</u>
	<u>Questions row 9 - 1 Part 1</u>	<u>GCSE BBC Bitesize Revision Physics 5 Energy Transfer 2</u>
	<u>Questions row 9 - 13 part 2</u>	<u>YouTube: GCSE Science Revision – Specific Heat Capacity</u>
	<u>Answers row 9-13 part 1</u>	<u>BBC Bitesize – Work, force and distance</u> <u>BBC Bitesize – Work and power</u>
	<u>Answers row 9-13 part 2</u>	
	<u>Efficiency QP</u>	
<u>Efficiency MS</u>	<u>BBC Bitesize – Efficiency</u> <u>Pass My Exams – Energy Transfer Diagram</u>	
<u>Energy Resources QP</u>	<u>YouTube: Energy Resources</u> <u>S-cool, the revision website – Non-renewa</u>	

# Physics Paper 1 Triple Science Revision Schedule (Higher Tier)

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PIXL Know It PPT	PIXL Know It Questions	Seneca Topic Current    Recap	GCSE Pod	Exam Practice for specific subtopics



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	Required Practical 3: Factors affecting resistance of electrical circuits	55	63	3				Electricity MS Part 2		Nuffield Foundation   Measuring resistance with a voltmeter and an amme	
	Resistors	56	63	3	10		2.2			Electricity QP Part 3	BBC Bitesize - Resistance    Pass My Exams – Electrical Circuits, Resist

# Science intervention

Wednesday 3pm

SC3, 4, 5

# Combined science and tier

9-9

9-8

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