

King James's School – Science Revision Plan

March - May

How do I use this plan?

- **This is the minimum amount of work you should be doing.** If you are wanting to do Science or Health and Social Care at A Level, or want a top grade, you should be doing a lot more
- **Each session should be approximately 35 minutes long.** Some sessions may be longer or shorter depending on the contents. If you struggle with a topic, you may wish to spend longer on it. If you find a topic easy you may wish to spend less time on it. If a session does not go that well, try it again, another way on a different day or speak to your teacher for help!
- **Do not skip any sessions!** This will lead to a backlog of work which will make revision more stressful. If you cannot do a session on a day, rearrange it with a break day.
- **Customise this plan to suit you.** This is a generic plan which may not be the best for all people. There are lots of other useful strategies you can try.
- **Break Days?** It is very important that you take break days. It helps your brain relax and allows you to do other things. (Mr McDonagh recommends having Friday evenings as your break day for all your subjects then you can have a full evening of relaxation)

What strategies should I use?

- The most useful way of revising Science for most people is a combination of note making and answering past paper questions.
- These notes should be on a range of topics. This could be lesson content, key words, formulae practise, required practicals or anything else.
- The past paper questions are crucial! They allow you to practise giving answers in the same style as you would in an exam. And, when you mark them, you can see what the examiners are looking for!

What about May?

- In and After May you should move away from **learning** content and begin **applying** your knowledge. This means answering questions from past exam questions. These can be found on ItsLearning.

King James's School – Science Revision Plan

March Calendar

			29 th Feb	1 st March	2 nd	3 rd
			Cell Biology	BREAK!	Atomic Structure and Radioactivity (Physics)	Energy Changes (chem)
4 th	5 th	6 th	7 th	8 th	9 th	10 th
Biology Key Words	Organisation	Bonding and Structure	Energy (physics)	BREAK!	Electricity in the Home	Particle Model of Matter
11 th	12 th	13 th	14 th (training day)	15 th	16 th	17 th
Chemical Changes	Physics Units	Infection and Response	Forces and Motion	BREAK!	Quantitative Chemistry	Waves
18 th	19 th	20 th	21 st	22 nd	23 rd (Easter Holidays)	24 th
Bioenergetics	Energy Changes (chem)	Homeostasis	Cell Biology	BREAK!	Chemistry of the Atmosphere	Bonding and Structure
25 th	26 th	27 th	28 th	29 th	30 th	31 st (Easter Sunday)
Circuit Electricity	Circuit Symbols	Bioenergetics	Organisation	BREAK!	Electromagnetic waves	BREAK!

King James's School – Science Revision Plan

April Calendar

1 st April	2nd	3rd	4th	5th	6th	7th
Cell Biology	Homeostasis	Bonding and Structure	Inheritance and Variation	BREAK!	Infection and Response	Particle Model of Matter
8th (back to school)	9th	10th	11th	12th	13th	14th
Ecology	Forces (Space) Triple Only	Electromagnetism	Chemical Changes	BREAK!	Waves	Organisation
15th	16th	17th	18th	19th	20th	21st
Biology Required Practicals	Chemistry Required Practicals	Physics Required Practicals	Chemical Analysis	BREAK!	Forces	Quantitative Chemistry
22nd	23rd	24th	25th	26th	27th	28th
Biology Key Words	Organisation	Bonding and Structure	Energy (physics) Space (triple only)	BREAK!	Electricity in the Home	Particle Model of Matter
29th	30th					
Chemistry of the Atmosphere	Bonding and Structure					

King James's School – Science Revision Plan

May Calendar

		1 st May	2 nd	3 rd	4 th	5 th
		Biology Paper 1 Past Papers	Biology Paper 1 Past Papers	BREAK!	Biology Paper 1 Past Papers	
6th (Bank Hol)	7th	8th	9th	10th (Bio P1)	11th	12th
Chemistry Paper 1 Past Papers	Physics Paper 1 Past Papers	Biology Paper 1 Past Papers	Biology Paper 1 Past Papers		Chemistry Paper 1 Past Papers	Chemistry Paper 1 Past Papers
13th	14th	15th	16th	17th (Chem P1)	18th	19th
Chemistry Paper 1 Past Papers	Physics Paper 1 Past Papers	Chemistry Paper 1 Past Papers	Chemistry Paper 1 Past Papers		Biology Paper 2 Past Papers	Physics Paper 1 Past Papers
20th	21st	22nd (Phys P1)	23rd	24th	25th (Half Term)	26th
Physics Paper 1 Past Papers	Physics Paper 1 Past Papers		BREAK!	BREAK!	Biology Paper 2 Past Papers	Biology Paper 2 Past Papers
27th	28th	29th	30th	31st		
Chemistry Paper 2 Past Papers	Chemistry Paper 2 Past Papers	Biology Paper 2 Past Papers	Physics Paper 2 Past Papers	BREAK!		

Topic	Quick fire questions	Whole topic summary
Biology Paper 1		https://youtu.be/mKYQ-K23Mr4
Biology Paper 2		https://youtu.be/Uqti-xPnT-8
1 – Cell biology	https://youtu.be/E9ZiTAaRC-E	https://youtu.be/sdpmVQooYS4
2 – Organisation	https://youtu.be/QnsRz0Xhup8	https://youtu.be/DJ0IZGkDx6A
3 – Infection and response	https://youtu.be/pq3B_sozPCo	https://youtu.be/m7pxdTJ9NPI
4 – Bioenergetics	https://youtu.be/1nuYpKaQ3jA	https://youtu.be/1KIAWiHQ4sM
5 – Homeostasis and response	https://youtu.be/EMf0FbJI9BU	https://youtu.be/xOfqw7MbU8k
6 – Inheritance, variation and evolution	https://youtu.be/IL-dUnKmksY	https://youtu.be/npl10a6p8jQ
7 – Ecology	https://youtu.be/NorHSgd7Yyc	https://youtu.be/SKdN90HK98Q

Past Papers

Triple

<http://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources>

Combined

<http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources>

Topic	Quick fire questions	Whole topic summary
Chemistry Paper 1		https://youtu.be/MpQ-3YAwNhl
Chemistry Paper 2.		https://youtu.be/HJu8WTtZJU
1 – Atomic Structure and the Periodic Table	https://youtu.be/mjllPJ_c018	https://youtu.be/bgyuXU97jaI
2 – Bonding, Structure and the Properties of Matter	https://youtu.be/9bbCFUyIuWg	https://youtu.be/YpEQ-NWxKBc
3 – Quantitative Chemistry	https://youtu.be/8uqWdmIKd7c	https://youtu.be/eAibVvhmsK0
4 – Chemical Changes	https://youtu.be/7Nrma6v0A8I	https://youtu.be/KTmXEIiU_Go
5 – Energy Changes	https://youtu.be/PQtifRoIMAE	https://youtu.be/L7829UGifpM
6 – The Rate and Extent of Chemical Change	https://youtu.be/C-tHYZwisNs	https://youtu.be/7i90fiz9SmY
7 – Organic Chemistry	https://youtu.be/sE2DP0x48kE	https://youtu.be/ZeUNWY7YDAo
8 – Chemical Analysis	https://youtu.be/vMKAHdoc-g0	https://youtu.be/YyUQiUddBA4
9 – Chemistry of the Atmosphere	https://youtu.be/DznhhA2QHUg	https://youtu.be/gxCRsqXZzeU
10 – Using Resources	https://youtu.be/xBUXqfa2gHo	https://youtu.be/KyVf2bVLI08

Past Papers

Triple

<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/assessment-resources>

Combined

<http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources>

Topic	Quick fire questions	Whole topic summary
Physics Paper 1		https://youtu.be/xtw-Z0nIIA4
Physics Paper 2		https://youtu.be/X1aMXCr75Kw
1 – Energy	https://youtu.be/q5CwATii6OA	https://youtu.be/tDkBhy-Y1Z8
2 – Electricity	https://youtu.be/62RyyfKZoYg	https://youtu.be/jSA4WaLSVEA
3 – Particle Model of Matter	https://youtu.be/z9L6zfMVk3U	https://youtu.be/cZz9oGgJOL0
4 – Atomic Structure	https://youtu.be/bRzRjfoU-E	https://youtu.be/YFVYUSvUBoo
5 – Forces	https://youtu.be/ffjb1pnH8zw	https://youtu.be/Rz4XBSKNGXg
6 – Waves	https://youtu.be/AEFwEDC6DkQ	https://youtu.be/9JPNVJ_LC3E
7 – Magnetism and Electromagnets	https://youtu.be/LyflUYL4FvM	https://youtu.be/mnigg3MGsIY
8 – Space Physics	https://youtu.be/f3Rf1aVStlk	https://youtu.be/Mdi0i24tNT0
Physics Paper 1		https://youtu.be/xtw-Z0nIIA4
Physics Paper 2		https://youtu.be/X1aMXCr75Kw

Past Papers

Triple

<http://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources>

Combined

<http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources>