

14-week plan Science

Week	Routine homework	Revision topic	Resource links	Suggested tasks	Revision strategy	Revision check	Explicit Vocabulary instruction: command words	Intervention Programme
27 January	Learning Homework set in lessons SPARX Science	Biology Required practical: Microscopy Biology topic to revise: Cell Structure & Microscopy Chemistry Required practical: Making Salts Chemistry topic to revise: Atomic Structure Physics Required practical: Specific Heat Capacity Physics topic to revise:	Biology Required practical: Microscopy Biology topic to revise: Cell Structure & Microscopy Chemistry Required practical: Making Salts Chemistry topic to revise: atomic structure Physics Required practical: Specific Heat Capacity Physics topic to revise:	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		Energy Stores & Transfers	Energy Stores & Transfers					
3 Feb	Learning Homework set in lessons SPARX Science	Biology Required practical: Microbiology (Triple Science ONLY) Biology topic to revise: Cell Division (Mitosis/Meiosis) Chemistry Required practical: temperature changes Chemistry topic to revise: Periodic Table And energy changes Physics Required practical: Thermal Insulation	Biology Required practical: Microbiology (Triple Science ONLY) Biology topic to revise: Cell Division (Mitosis/Meiosis) Chemistry Required practical: temperature changes Chemistry topic to revise: periodic-table Physics Required practical: Thermal Insulation (Triple Science ONLY)	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		(Triple Science ONLY) Physics topic to revise: Energy Resources (Fossil Fuels, Renewables)	Physics topic to revise: Energy Resources (Fossil Fuels, Renewables)					
10 Feb	Learning Homework set in lessons SPARX Science	Biology Required practical: Osmosis Biology topic to revise: Osmosis & Diffusion Chemistry topic to revise: Bonding (Ionic, Covalent, Metallic) and Bonding Properties Physics Required practical: Resistance	Biology Required practical: Osmosis Biology topic to revise: Osmosis & Diffusion Chemistry topic to revise: bonding-structure-and-properties-of-matter Physics Required	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		Physics topic to revise: Electric Circuits	practical: Resistance Physics topic to revise: Electric Circuits					
HOLIDAY	Learning Homework set in lessons SPARX Science	Biology Required practical: Food Tests Biology topic to revise: Transport in Plants (Transpiration) Chemistry Required practical: electrolysis Chemistry topics to revise: chemical changes Physics Required practical: IV Characteristics	Biology Required practical: Food Tests Biology topic to revise: Transport in Plants (Transpiration) Chemistry Required practical: Electrolysis Chemistry topics to revise: chemical-changes Physics Required practical: IV Characteristics	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Utilise your friends and family to check each other's work	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		Physics topic to revise: Radioactivity	Physics topic to revise: Radioactivity					
24 Feb	Learning Homework set in lessons SPARX Science	Biology Required practical: Enzymes Biology topic to revise: Enzymes & Digestion Chemistry Required practical: titration (triples only) Chemistry topic to revise: Quantitative Chemistry (Moles) Physics Required	Biology Required practical: Enzymes Biology topic to revise: Enzymes & Digestion Chemistry Required practical: titration (triples only) Chemistry topic to revise: quantitative-chemistry (moles) quantitative extra for triples only Physics Required practical: Density	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		practical: Density Physics topic to revise: Specific Heat Capacity	Physics topic to revise: Specific Heat Capacity					
3 March	Learning Homework set in lessons SPARX Science		Biology Required practical: Decay (Triple Science ONLY) Biology topic to revise: Ecosystems & Biodiversity Chemistry Required practical: rates 1 rates 2 Chemistry topic to revise: rates-of-reaction Physics Required practical:	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

			Radiation and Absorption Physics topic to revise: Static Electricity (Separate Only)					
10 March	Learning Homework set in lessons SPARX Science	Biology Required practical: Photosynthesis Biology topic to revise: Homeostasis & Nervous System Chemistry Required practical: Chromatography Chemistry topics to revise: Chemical Analysis and organic chemistry	Biology Required practical: Photosynthesis Biology topic to revise: Homeostasis & Nervous System Chemistry Required practical: chromatography Chemistry topics to revise: chemical-analysis-chromatography analysis for triples only organic-chemistry	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		Physics Required practical: Waves Physics topic to revise: Magnetism & Electromagnetism	Physics Required practical: Waves Physics topic to revise: Magnetism & Electromagnetism					
17 March	Learning Homework set in lessons SPARX Science	Biology Required practical: Field Investigations Biology topic to revise: Decay & Decomposition Chemistry Required practical: Water Purification Chemistry topic to revise: Using Resources Physics Required	Biology Required practical: Field Investigations Biology topic to revise: Decay & Decomposition Chemistry Required practical: water purification Chemistry topic to revise: using-the-earths-resources Physics Required	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		practical: Forces Physics topic to revise: Space Physics (Separate Only)	practical: Forces Physics topic to revise: Space Physics (Separate Only)					
24 March	Learning Homework set in lessons SPARX Science	Biology Required practical: Enzymes Biology topic to revise: Respiration Chemistry Required practical: Identifying ions (triples only) Chemistry topic to revise: Equilibria Physics Required practical: Motion	Biology Required practical: Enzymes Biology topic to revise: Respiration Chemistry Required practical: identifying ions (triples only) Chemistry topic to revise: equilibria Physics Required practical: Motion	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		Physics topic to revise: Pressure (Separate Only)	Physics topic to revise: Magnetism & Electromagnetism Pressure (Separate Only)					
31 March: inset	Learning Homework set in lessons SPARX Science	Biology Required practical: Food Tests Biology topic to revise: Photosynthesis Chemistry Required practical: Chemistry topic to revise: Atmosphere Physics Required practical: Hooke's Law Physics topic to revise:	Biology Required practical: Food Tests Biology topic to revise: Photosynthesis Chemistry Required practical: Chemistry topic to revise: atmosphere Physics Required practical: Hooke's Law Physics topic to revise:	Flashcards produced for each required practical AND topic of revision	Make revision notes/flashcards and quiz yourself	Weekly check from teacher	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

		Electromagnetic Waves	Electromagnetic Waves					
HOLIDAY	SPARX Science	Biology paper 1 using the past paper booklets or Physics and Maths Tutor Biology paper 2 using the past paper booklets or Physics and Maths Tutor	Purchase past paper booklets from Printworks or access papers here: https://www.physicsandmathstutor.com/past-papers/gcse-biology/	Minimum 1 paper completed under exam conditions. No phone, no notes, timed conditions.	Once completed as much as possible, get a different coloured pen and your notes, do any extra questions you can with your notes.	Mark your work using the markscheme: https://www.physicsandmathstutor.com/past-papers/gcse-biology/	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9
HOLIDAY	SPARX Science	Chemistry paper 1 using the past paper booklets or Physics and Maths Tutor Chemistry paper 2 using the past paper	Purchase past paper booklets from Printworks or access papers here: https://www.physicsandmathstutor.com/past-papers/gcse-chemistry/	Minimum 1 paper completed under exam conditions. No phone, no notes, timed conditions.	Once completed as much as possible, get a different coloured pen and your notes, do any extra questions	Mark your work using the markscheme: https://www.physicsandmathstutor.com/past-papers/gcse-chemistry/	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45

		booklets or Physics and Maths Tutor			you can with your notes.			By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9
21 April	SPARX Science	Physics paper 1 using the past paper booklets or Physics and Maths Tutor Physics paper 2 using the past paper booklets or Physics and Maths Tutor	Purchase past paper booklets from Printworks or access papers here: https://www.physicsandmathstutor.com/past-papers/gcse-physics/	Minimum 1 paper completed under exam conditions. No phone, no notes, timed conditions.	Once completed as much as possible, get a different coloured pen and your notes, do any extra questions you can with your notes.	Mark your work using the markscheme: https://www.physicsandmathstutor.com/past-papers/gcse-physics/	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9

28 April	SPARX Science	Your choice of past paper practice	Purchase past paper booklets from Printworks or access papers here: https://www.physicsandmathstutor.com/past-papers/	Complete under exam conditions. No phone, no notes, timed conditions.	Once completed as much as possible, get a different coloured pen and your notes, do any extra questions you can with your notes.	Mark your work using the markscheme: https://www.physicsandmathstutor.com/past-papers/	Please make sure you understand all the key words attached: Subject specific vocabulary	Thursday intervention sessions Science GCSE Drop in for help on any topic Room 45 By invitation on Thursday: Foundation tier Aiming for a grade 5,6,7 Aiming for an 7, 8,9
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