Key stage 3:

Curriculum Intent: To make sure that students have the opportunity to get a broad and sound understanding of the basic foundations of Scientific knowledge ready for Key stage 4 Science in year 9. KS3 Science allows plenty of opportunities to develop the school's key characteristics of resilience, initiative, risk taking, reflectiveness, drive, curiosity, and flexibility of mind.

Curriculum rationale: The Science curriculum has been developed to develop both knowledge and skills across all 3 sciences. It is important that linked to the topics, students have the opportunity to complete science practical's and also to develop numeracy and literacy skills throughout. Retrieval is within each of the topics. Retrieval work involves doing further research and opportunities for practical based themes. In addition, students have the opportunity to take part in the British Science Week as part of the curriculum. The KS3 curriculum is also sequenced to the KS4 curriculum throughout years 7 to 11 which furthers students' skills and knowledge.

Year 7 Science Department 2024-25

				Pop 1						Pop2			
					71/Sc1A	71/Sc1B	71/Sc1C	71/Sc2A	71/Sc2B		72/Sc1A	72/Sc1B	72/Sc1C	72/Sc2A	72/Sc2B
				1Mon:2	N009	R035	H004	N006	N110	1Mon:5	N009	R035	H003	T001	T008
				1Wed:2	T003 - NWP	R035	H004	N006	N110	1Wed:5	T003 - NWP	R035	H003	T001	T008
				1Fri5	N009	R035	H004	N006	N110	1Thu:1	N009	R035	H003	T001	T008
				2Mon:3	N009	R035	H004	N006	N110	2Wed:5	T003 - NWP	R035	H003	T001	T008
				2Wed:1	N009	R035	H004	N006	N110	2Thur:2	N009	R035	H003	T001	T008
				2Fri:4	N009	R035	H004	N006	N110	2Fri:3	N009	R035	H003	T001	T008
				Lead	FAC5 +NWP1	WB	HAC	CXC	LFH		FAC4 +NWP2	WB	AXH	LGS	HXS
					One lab write-up per topic needs to be completed in exercise book - pick 1 aspect of lab report to focus on write up										
					1	2	3	4	5		5			2	4
Mon	2nd Sept	to	Fri 11th Oct	16	7A + 7B	7K + 7L	7G + 7H	7K + 7L	7A + 7B		7A + 7B	7K + 7L	7G + 7H	7K + 7L	7A + 7B
Mon	14th Oct	to	Fri 29th Nov	16	7G + 7H	7A + 7B	7A + 7B	7G + 7H	7K + 7L		7G + 7H	7A + 7B	7A + 7B	7G + 7H	7K + 7L
Mon	2nd Dec	to	Fri 31st Jan	16	7K + 7L	7G + 7H	7K + 7L	7A + 7B	7G + 7H		7K + 7L	7G + 7H	7K + 7L	7A + 7B	7G + 7H
Mon	10th Mar	to	14th Mar	3	10th March Assessment week - based on first 6 topics										
Mon	3rd Feb	to	Fri 4th Apr	16	7C + 7D	7I + 7J	7E + 7F	7C + 7D	7I + 7J		7C + 7D	7I + 7J	7E + 7F	7C + 7D	7I + 7J
Mon	7th Apr	to	Fri 23rd May	16	7E + 7F	7C + 7D	7I + 7J	7E + 7F	7C + 7D		7E + 7F	7C + 7D	7I + 7J	7E + 7F	7C + 7D
Mon	2nd Jun	to	Fri 11th July	16	7I + 7J	7E + 7F	7C + 7D	7I + 7J	7E + 7F		7I + 7J	7E + 7F	7C + 7D	7I + 7J	7E + 7F

Marking is in accordance with departmental policy. In addition staff are encouraged to use peer marking for class	Biology		Physics
Set changes during revision week based on 6 topic tests data			
End of topic test at the end of 2 modules apart from in the summer term	7A CELL STRUCTURES	7E Mixtures and Separations	7I ENERGY
Homework set in accordance to departmental policy	7B CELL REACTIONS	7F Acids and Alkalis	7J ELECTRICITY
Retrieval starter tasks to be completed in the Summer term	7C ORGAN SYSTEMS	7G Particles	7K FORCES
9 Hours on Modules and working scientifically skills will be implemented throughout modules, apart from last term	7D ECOSYSTEMS	7H Atoms and Elements	7L SOUND

Year 8 Science Department 2024-25

				Pop1	8I/Sc1A	8I/Sc1B	8I/Sc1C	8I/Sc2A	8I/Sc2B	8I/Sc2C 8W	Pop2	8Z/Sc1A	8Z/Sc1B	8Z/Sc1C	8Z/Sc2A	8Z/Sc2B	8Z/Sc2C - 8G
				1Mon:3	N110 - LFH	N006	LGS T001	T008	T003 NWP	H003	1Tue:4	H004	H003 - AXH	T001 LGS	T003 NWP	T008	N009 JZB
				1Tue:3	H004	N006	N113 JZB	T008	N009	H003	1Wed:1	H004	N006	T006 AEF	N113	T008	H003
				1Fri:3	H004	N006	LFH N110	T008	T003 NWP	H003	1Fri:1	H004	N006	T001 LGS	N113	T008	H003
				2Mon:5	H004	N006	N113 JZB	T008	N009	H003	2Mon:2	H004	N006	T006 AEF	N113	T008	N009 JZB
				2Thur:4	H004	N006	LGS T001	T008	N009	H003	2Tue:5	H004	N006	T006 AEF	T003 NWP	T008	H003
				2Fri:5	H004	N006	LFH N110	T008	N009	H003	2Wed:2	H004	N006	T001 LGS	N113	T008	N110
				Lead	HAC5 LFH1	CXC	LFH/JZB/LGS2	HXS	FAC4/NW P2	AXH		HAC	CXC5/AXH1	AEF3/LGS3	NSB4/NWP2	HXS	AXH4/JZB2
					1	2	3	4	5	6		1	5	4	2	3	6
					One lab write-up per topic needs to be completed in exercise book.												
MON	2nd Sept	to	Fri 11th Oct	16	8A + 8B	8I + 8K	8E + 8F	8A + 8B	8I + 8K	8E + 8F		8A + 8B	8I + 8K	8E + 8F	8I + 8K	8A + 8B	8E + 8F
MON	14th Oct	to	Fri 29th Nov	16	8E + 8F	8A + 8B	8I + 8K	8E + 8F	8A + 8B	8I + 8K		8E + 8F	8A + 8B	8I + 8K	8A + 8B	8E + 8F	8I + 8K
MON	2nd Dec	to	Fri 31st Jan	16	8I + 8K	8E + 8F	8A + 8B	8I + 8K	8E + 8F	8A + 8B		8I + 8K	8E + 8F	8A + 8B	8E + 8F	8I + 8K	8A + 8B
					Assessment Week 13th January - Test on 5/6 topics												
MON	3rd Feb	to	Fri 21st March	16	8C + 8D	8J + 8L	8G + 8H	8C + 8D	8J + 8L	8G + 8H		8C + 8D	8J + 8L	8G + 8H	8J + 8L	8C + 8D	8G + 8H
Mon	24th Mar	to	Fri 16th May	16	8G + 8H	8C + 8D	8J + 8L	8G + 8H	8C + 8D	8J + 8L		8G + 8H	8C + 8D	8J + 8L	8C + 8D	8G + 8H	8J + 8L
MON	19th May	to	Fri 4th July	16	8J + 8L	8G + 8H	8C + 8D	8J + 8L	8G + 8H	8C + 8D		8J + 8L	8G + 8H	8C + 8D	8G + 8H	8J + 8L	8C + 8D
					Week 38 to be used for Mop-up/module flexibility												

Marking is in accordance with departmental policy.
End of topic test at the end of double modules (see Rota)
Working scientifically skills are implemented throughout modules.

Biology
8A CELL PROCESSES
8B CELL TRANSPORT
8C TRANSPORT SYSTEM
8D EVOLUTION

Chemistry
8E Combustion
8F Periodic Table
8G Metals
8H Rates

Physics
8I MATTER & FLUIDS
8J LIGHT
8K ENERGY TRANSFERS
8L EARTH