

## YEAR 11 OVERVIEW Science

AUTUMN TERM 1							
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	
04.09.17	11.09.17	18.09.17	25.09.17	02.10.17	09.10.17	16.10.17	
Biology Topics 5-7							
Homeostasis and response	Homeostasis and response	Homeostasis and response	Homeostasis and response	Inheritance, variation and evolution	Inheritance, variation and evolution	Inheritance, variation and evolution	
Chemistry topics 13-17							
The rate and extent of chemical change	The rate and extent of chemical change	The rate and extent of chemical change	The rate and extent of chemical change	Organic chemistry	Organic chemistry	Organic chemistry	
Physics topics 22-24							
Forces	Forces	Forces	Forces	Forces	Forces	Waves	
			Assessment				
AUTUMN TERM 2							
Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
30.10.17	06.11.17	13.11.17	20.11.17	27.11.17	04.12.17	11.12.17	18.11.17
Biology Topics 5-7			Biology Topics 5-7				
Ecology			Ecology	Ecology	Homeostasis and response	Homeostasis and response	Homeostasis and response
Chemistry topics 13-17			Chemistry topics 13-17				
Organic chemistry			Chemical analysis	Chemical analysis	Chemical analysis	Chemistry of the atmosphere	Chemistry of the atmosphere
Physics topics 22-24			Physics topics 22-24				
Waves			Waves	Magnetism and electromagnetism	Magnetism and electromagnetism	Magnetism and electromagnetism	Forces
	PPE 1 Window	PPE 1 Window	Data & Reports				
SPRING TERM 1							
Week 16	Week 17	Week 18	Week 19	Week 20			
08.01.18	15.01.18	22.01.18	29.01.18	05.02.18			
Biology Topics 5-7							

Inheritance, variation and evolution	Inheritance, variation and evolution	Inheritance, variation and evolution	Ecology	Ecology		
Chemistry topics 13–17						
Chemistry of the atmosphere	Chemistry of the atmosphere	Using resources	Using resources	Using resources		
Physics topics 22–24						
Forces	Forces	Waves	Waves	Waves		
SPRING 2						
Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	
19.02.18	26.02.18	05.03.18	12.03.18	19.03.18	26.03.18	
			Biology Topics 5-7			
			Ecology	Homeostasis and response	Homeostasis and response	
			Chemistry topics 13–17			
			The rate and extent of chemical change	The rate and extent of chemical change	Organic chemistry	
			Physics topics 22–24			
			Magnetism and electromagnetism	Magnetism and electromagnetism	Magnetism and electromagnetism	
WTM Window	PPE 2 Window	PPE2 Window	PPE2 Data			
SUMMER TERM 1						
Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Week 33
16.04.18	23.04.28	23.04.28	30.04.28	07.15.18	14.05.18	21.05.18
Biology Topics 5-7	Diagnosis, Therapy, Testing					
Homeostasis and response	Biology topics 1–4	Chemistry topics 8–12	Physics topics 18–21	Biology topics 5–7	Chemistry topics 13–17	Physics topics 22–24
Chemistry topics 13–17						
Organic chemistry						
Physics topics 22–24						
Magnetism and electromagnetism						
					GCSE Window	GCSE Window
SUMMER TERM 2						
Week 34	Week 35	Week 36	Week 37	Week 38	Week 39	Week 40

04.06.18	11.06.18	18.06.18	25.06.18	02.07.18	09.07.18	16.07.19	
GCSE Window	GCSE Window	GCSE Window	GCSE Window				

### KS4 3 Year GCSE Topic Sequence

11Q1 (Triple)	11Q2	11Q3	11P1	11P2	11P3
1	5	5	3	3	3
3	3	3	1	1	1
5	1	1	5	5	5
2	2	2	6	6	6
4	4	4	2	2	2
6	6	6	4	4	4

#### Combined Science Topics:

1. Biology topics 1–4: Cell Biology; Organisation; Infection and response; and Bioenergetics.
2. Biology topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology
3. Chemistry topics 8–12: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes.
4. Chemistry topics 13–17: The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources.
5. Physics topics 18–21: Energy; Electricity; Particle model of matter; and Atomic structure.
6. Physics topics 22–24: Forces; Waves; and Magnetism and electromagnetism

#### Triple Science Topics:

1. Biology topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.
2. Biology topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.
3. Chemistry topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.
4. Chemistry topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.
5. Physics topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.
6. Physics topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics.