

## YEAR 10 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								
Inheritance, variation and evolution	Ecology	Ecology	Ecology	Ecology	Homeostasis and response	Homeostasis and response	Homeostasis and response	
Chemistry topics 13-17								
Organic chemistry	Chemical analysis	Chemical analysis	Chemical analysis	Chemical analysis	Chemistry of the atmosphere	Chemistry of the atmosphere	Chemistry of the atmosphere	
Physics topics 22-24								
Waves	Waves	Waves	Waves	Magnetism and electromagnetism	Magnetism and electromagnetism	Magnetism and electromagnetism	Magnetism and electromagnetism	
							Year 10 Data	
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								
Homeostasis and response	Inheritance, variation and evolution	Inheritance, variation and evolution	Inheritance, variation and evolution	Inheritance, variation and evolution				
Chemistry topics 13-17								

Chemistry of the atmosphere	Using resources	Using resources	Using resources	Using resources		
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	Ecology	Ecology	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	The rate and extent of chemical change	The rate and extent of chemical change	Organic chemistry	Organic chemistry	
Physics topics 22-24						
Forces	Forces	Forces	Forces	Forces	Forces	
					Year 10 Data and Reviews	
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						
Inheritance, variation and evolution	Inheritance, variation and evolution	Inheritance, variation and evolution	Inheritance, variation and evolution	Ecology	Ecology	Ecology
Chemistry topics 13-17						
Organic chemistry	Organic chemistry	Chemical analysis	Chemical analysis	Chemical analysis	Chemical analysis	Chemistry of the atmosphere
Physics topics 22-24						
Waves	Waves	Waves	Waves	Waves	Magnetism and electromagnetism	Magnetism and electromagnetism
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
Biology Topics 5-7					Biology Topics 5-7	
Ecology	Inheritance, variation and evolution				Inheritance, variation and evolution	Inheritance, variation and evolution
Chemistry topics 13-17					Chemistry topics 13-17	

Chemistry of the atmosphere	Chemistry of the atmosphere				Chemistry of the atmosphere	Chemistry of the atmosphere	
Physics topics 22–24					Physics topics 22–24		
Magnetism and electromagnetism	Magnetism and electromagnetism				Magnetism and electromagnetism	Magnetism and electromagnetism	
		WTM's	PPE1	PPE 1	Year 10 Data		

### KS4 3 Year GCSE Topic Sequence

10Q1 (Triple)	10Q2	10Q3	10P1	10P2	10P3
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.