

### **Temperance Term**

W/C	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7			
Area of Study	B6 Inheritance, Variation and Evolution, P6 Waves									
Core Learning	-Understand the diffe -WS 1.2 Model behavi -Describe the structur -Describe the importa -Draw genetic diagran -MS 1c, 3a use direct p	rences between mitosis iour of chromosomes di e of DNA nce of the human genons to show the possible proportion and simple reain the factors which caearly atmosphere	and meiosis.  uring meiosis.  me genotype and phenotype ation to express outcom  an affect the chemistry	oe of offspring	re	characteristics can be se	electively bred.	HALF TERM		
Opportunitie	-Provide examples of - Explain the uses ar		by electromagnetic wagnetic wagnetic waves.		ound waves from one	medium to another, a	are inter-related	I		
s for Challenge	Evaluate the quality of	of evidence in a report	about global climate c	hange ne radiation that hits it. I	lo radiation is reflected	or transmitted.				
Assessment	End of Topic Tests									



W/C	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Area of Study	Variation ar	eritance, nd Evolution	of Paper 1 ics	Mocks (	Paper 1)	
		mistry of the sphere				
Core Learning	C10-Explain ways to unatural resources to products -Distinguish between resourcesDescribe the different of ground water and security out a life cycle  P7-Explain how elect are used in a variety electropermanent and inductors the magnetic field magnet -Describe how the magnetic resources to the different permanent and inductors the magnetic field magnet electropermanent can be demonstrated to the magnetic resources and the magnetic resources are used in a variety of the magnetic field magnet electropermanent can be demonstrated as a current can be demon	finite and renewable  fice in the treatment salty water assessment  romagnetic effects of devices nces between ted magnetism eld pattern of a bar agnetic effect of a				
Opportunitie s for Challenge	Evaluate alternative extraction Show that Fleming' represents the relationst the force, the curre and the magnetic fi	's left-hand rule tive orientation of ent in the conductor				
Assessment	End of Topic Tests					



#### **Justice Term**

W/C	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	
Area of Study	_	m and Electrom 0 Using Resour	•	Revision of Paper 2 Topics  B5- Homeostasis and Response, B7- Ecology,  C6- The Rate and Extent of Chemical, C7- Organic Chemistry, C8 – Chemical Analysis, P5- Forces			
Core Learning	products -Distinguish between finit -Describe the difference i -Carry out a life cycle asso  P7-Explain how electrom -Describe the differences Draw the magnetic field p	nagnetic effects are used in between permanent and in	water and salty water a variety of devices duced magnetism	system. B7 Describe how humans comprove sustainability. C6-Understand energy of C7-Explain the important terms of structure and p	umental methods can be use	nsider the actions that nemical reactions. s organic compounds, in	HALF TERM
Opportunitie s for Challenge	Show that Fleming's le	ethods of metal extraction ft-hand rule represents that in the conductor and the	ne relative orientation	Grade 7, 8, 9 challenge que	stions		
Assessment	End of Topic Tests			Self assessment and in-clas	s tests		

W/C	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	
Area of Study	Mocks (Paper 2)	B1- Cell Biology and C1- Atomic Structure and the Periodic Table	P1- Energy and C2- Bonding, Structure and the Properties of Matter	B2- Organisation and P2- Electricity	B3 – Infection and Response and C3- Quantitative Chemistry	P3- Particle Model of Matter and C4- Chemical Changes	EASTER



Core Learning Opportunitie		B1- Students should be able to, explain how the structure of different types of cell relate to their function in a tissue, an organ or organ system, or the whole organism. C1 – Describe the development and structure of the atom and periodic table.  Revision  Grade 7, 8, 9 challenge	P1 - There are changes in the way energy is stored when a system changes. Students should be able to describe all the changes involved in the way energy is stored when a system changes.  C2 - Explain how atoms are held together in structures and describe their properties.  Revision  Grade 7, 8, 9 challenge	B2 - Students should know the structure and functioning of the human digestive system and the respiratory system. Students should be able to describe the relationship between health and disease and the interactions between different types of disease.  P2-Describe how to calculate resistance and the factors which can alter it. Describe how electricity is delivered to our homes and businesses.  Revision  Grade 7, 8, 9 challenge	B3 -Students should be able to explain how diseases caused by viruses, bacteria, protists and fungi are spread in animals and plants.  C3 – Use chemical equations as a way to communicate chemical ideas.  Revision	P3 – Use the particle model to predict the behaviour in solids, liquids and gases.  C4 – Investigate and predict chemical changes in substances  Revision  Grade 7, 8, 9 challenge	
s for Challenge		questions	questions	questions	questions	questions	
Assessment	End of Topic Tests and Justice Term Assessment	Self assessment and inclass tests	Self assessment and inclass tests	Self assessment and inclass tests	Self assessment and inclass tests	Self assessment and inclass tests	



### **Courage Term**

W/C	Week 26	Week 27	Week 28	Week 29	Week 30	Week 31	
Area of Study	B4- Bioenergetics and P4- Atomic Structure	C5- Energy Changes and B6- Inheritance, variation and evolution	C9 – Chemistry of the Atmosphere and P6- Waves	C10 - Using Resources and P7- Magnetism and Electromagnetism	Y11 on bespoke revision timetable		
Core Learning	B4 - Describe and explain the processes of respiration and photosynthesis  P4 - Describe the structure of the atom, the nuclear forces and atom stability.  Revision	C5 - Explain how the interaction of particles often involves transfers of energy.  B6-Compare asexual and sexual reproduction, with relation to number of chromosomes and explain how favoured characteristics can be selectively bred.	C9-Describe and explain the factors which can affect the chemistry of the Earth's atmosphere  P6 Show how changes in velocity, frequency and wavelength, in transmission of sound waves from one medium to another, are inter- related  Revision	C10-Explain ways to use the Earth's natural resources to manufacture useful products  P7-Explain how electromagnetic effects are used in a variety of devices  Revision			HALF TERM
Opportunitie s for Challenge	Grade 7, 8, 9 challenge questions	Grade 7, 8, 9 challenge questions	Grade 7, 8, 9 challenge questions	Grade 7, 8, 9 challenge questions			
Assessment	Self assessment and inclass tests	Self assessment and in- class tests	Self assessment and inclass tests	Self assessment and in- class tests	GCSE E	Exams	

W/C	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	
							E E
Area of Study							M
							SUI



Core Learning	Study Leave	
Opportunitie s for Challenge		
Assessment	GCSE Exams	