Year 11 (Triple science) 2016-17								
Half-term	Topic	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1		Exchange of materials			Keeping internal conditions constant			Analysis and synthesis
2		Analysis and synthesis				Using physics to make things work		
3		Magnetic fields to keep things moving			Energy calculations			
4		Energy calculations	Organic chemistry			Revision		
5								
6								

Year 11 (11.1) 2016-17								
Half-term	Topic	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1		Cells tissues and organs & ISA			Chemical calculations			Salts and electrolysis
2		Salts and electrolysis & ISA		Motion	Forces	Organisms in the environment	Structure and bonding	Work, Energy & momentum
3		Enzymes	Structure & properties	Current Electricity & ISA	Energy from respiration	Rates & energy		
4		Mains electricity	Inheritance	Radioactivity	Old & new species	Energy from nucleus	Revision	
5		Exam practise	Exam practise	Exam practise	GCSE Exams	GCSE Exams		
6		GCSE Exams	GCSE Exams					

GCSE Science Year 11 (11.2) 2016-17							
Half-term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1	C2.2 Structure & Properties	C2.2 Structure & Properties	P2.2 The Kinetic Energy of Objects	B2.4 Organisms and their Environment	C2.3 Quantitative Chemistry and Analysis	C2.3 Quantitative Chemistry and Analysis	P2.3 Currents in Electrical Circuits
2	P2.3 Currents in Electrical Circuits	B2.5 Proteins – Their Functions and Uses	C2.4 & C2.5 Rates of Reaction	P2.4 Mains Electricity and Apps.	Assessments	P2.4 Mains Electricity and Apps.	B2.6 Aerobic and Anaerobic Resp.
3	P2.5 Atomic Structure	P2.5 Atomic Structure	B2.7 Cell Division	B2.7 Cell Division	C2.6 Acids, Bases and Salts P2.6 Nuclear Fission		
4	B2.8 Fossils and Specification	C2.7 Electrolysis	Core Science Revision	Core Science Revision	Core Science Revision	Additional Science Revision	Additional Science Revision
5	Exam practise	Exam practise	Exam practise	GCSE Exams	GCSE Exams		
6	GCSE Exams	GCSE Exams	GCSE Exams				

Year 10 (Triple science) 2016-17								
Half-term	Topic	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1		Biological responses • Brain • Eye • Common problems of eye		Homeostasis in action • Controlling body temperature • Removing waste products • Kidneys • Kidney dialysis • Kidney transplants				
2		Chemical analysis • Testing for positive ions • Testing for negative ions • Instrumental analysis			Chemical calculations • Titrations • Titration calculations • Volumes of gases	Forces in balance • Moments at work • Levers and gears • Moments and equilibrium		Light • Reflection of light • Refraction of light
3		Light • Light and colour • Lenses Using lenses		Genetics and evolution • History of genetics • Theories of evolution • Accepting Darwin's ideas • Evolution and speciation		Variation & evolution • cloning		
4		Organic Chemistry • Reactions of alkens • Structures of alcohols,carboxylic acids and esters		Using our resources • Rusting • Useful alloys • Properties of polymers • Haber process • Making fertilisers				Hormonal coordination • Plant hormones

		• Reactions and uses of alcohols					
5		Radioactivity • Radiation in medicine • Nuclear fission/fusion • Nuclear issues.	Preventing & treating disease • Monoclonal antibodies	Polymers • Polymerisation • Natural polymers • DNA			
6		Disease and bioenergetics	Genetics & reproduction • Sexual & asexual reproduction • DNA & protein synthesis • Gene expression and mutation	Energy transfer • Infrared radiation	• Electrical charges and fields • Gas pressure and volume	Periodic table/structure and bonding • Transition elements • Nanoparticles	Energy Changes • Chemical cells & batteries • Fuel cells.

Year 10 (10.1) 2016-17							
Half-term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1	Cells & transport				Crude oil & fuels		Atomic structure
2	Atomic structure	Chemical calculations		Conservation and dissipation of energy	Electric circuits	Cell division	Organisation & digestive system
3	Organisation & digestive system	The periodic table	Structure and bonding		Electricity in the home		
4	Organising animals and plants		Chemical changes		Photosynthesis	Communicable diseases	

5	Molecules and matter	Electrolysis	Energy changes	Reproduction			
6	Rates & equilibrium		Energy resources	Respiration	Human nervous system	Motion	Force & motion

GCSE Science Year 10 (10.2) 2016-17							
Half-term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1	B2a – Tissues, Organs and Organ Systems	B2a – Tissues, Organs and Organ Systems	C1a Atoms, Elements, Compounds and Mixtures	C1a Atoms, Elements, Compounds and Mixtures	P1a Energy Transfers	P1a Energy Transfers	B1b – Transport in Cells
2	C1b – The Periodic Table	P1b – Energy Resources	P1b – Energy Resources	B2b – Health and Disease	Assessments	C2a – Bonding and Structure	C2a – Bonding and Structure
3	P2a – Circuits	P2a – Circuits	B2c – Enzymes and Digestion	C2b – States of Matter	P2b – Domestic Electricity		
4	B3 – Infection and Response	B3 – Infection and Response	C3 – Quantitative Chemistry	P3 – Particle Model of Matter	Assessments	B4 – Bioenergetics	B4 – Bioenergetics
5	C4 – Chemical Changes	C4 – Chemical Changes	P4 – Atomic Structure	B5a – The Nervous System	C5 – Energy Changes		
6	P5a – Force Basics	P5b – Forces and Elasticity	B5b – The Endocrine System	B5b – The Endocrine System	Assessments	C6a – Rates of Reaction	C6b – Reversible Reactions

Year 9 2016-17							
Half-term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1	Cells & transport						
2	Crude oil & fuels		Atomic structure		Chemical calculations		
3	Chemical calculations	Conservation & dissipation of energy		Electrical circuits			
4	Cell division		Orginisation & digestive system				The periodic table
5	The periodic table	Structure & bonding					
6	Electricity in the home		Organising animals and plants			Chemical changes	

Science Year 8 (8.1) 2016-17							
Half-term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1	8B Respiration	8B Respiration	8F Compounds and Mixtures	8F Compounds and Mixtures	8J Magnets and Electromagnets	8J Magnets and Electromagnets	8C Microbes and Disease
2	8C Microbes and Disease	8G Rocks and Weathering	8G Rocks and Weathering	8K Light	Assessments	8D Ecological Relationships	8D Ecological Relationships
3	8H The Rock Cycle	8H The Rock Cycle	8L Sound and Hearing	8L Sound and Hearing	9A Inheritance and Selection		
4	9A Inheritance and Selection	9E Reactions and Metals	9E Reactions and Metals	9I Energy and Electricity	Assessments	9I Energy and Electricity	9B – Fit and Healthy
5	9B – Fit and Healthy	9F Patterns of Reactivity	9F Patterns of Reactivity	9J Gravity and Space	9J Gravity and Space		
6	9C Plants and Photosynthesis	9C Plants and Photosynthesis	9G Environmental Chemistry	9G Environmental Chemistry	Assessments	9K Speeding Up	9K Speeding Up

Year 8 (8.2 & 8.3) 2016-17							
Half-term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1	**Photosynthesis, respiration and circulation** Photosynthesis, minerals from the soil, gas exchange in plants and breathing		**Photosynthesis, respiration and circulation** Respiration, asthma, exercise and smoking, the circulatory system and the heart		**Acids and alkalis** Everyday acids and alkalis, working safely with acids and alkalis, reactions of acids and alkalis and neutralisation.		

2	**Acids and alkalis** The pH scale and indicators, acids and metals		**Energy** Energy introduction, conservation of energy, energy from food and fuels		**Energy** Conduction, convection, radiation and evaporation and energy calculations
3	**Reproduction and growth** Reproduction, reproduction in plants, fertilisation and seed dispersal	**Reproduction and growth** Reproduction in humans, menstruation, gestation and birth	**Materials and everyday chemistry** Everyday chemistry, resources and sustainable development		
4	**Materials and everyday chemistry** Polymers, ceramics, hydrocarbons and fuels		**Waves** Describing waves, light as a wave, refraction of light and colour		**Waves** Sound, ultrasound, energy and speed
5	**Ecosystems** Ecosystems, food chains, food webs, pyramids of numbers and crop pollinations	**Ecosystems** Populations, pollution, effects of climate change and protecting the environment	**The Earth and atmosphere** The Earth, sedimentary, metamorphic and igneous rocks		
6	**The Earth and atmosphere** Rock cycle, recycling, biofuels, carbon cycle and the atmosphere		**Space** The Sun and stars, solar system, gravity and orbits, days and seasons.		**Space** The moon, galaxies and the universe, observing space and journeying into space

Year 7 2016-17							
Half-term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1	**Living Systems** Cells and organisation			**Living Systems** The skeletal and muscular systems		**The particulate nature of matter** Particle theory	
2	**The particulate nature of matter** Pure and impure substances			**Forces and motion** Describing motion		**Forces and motion** Forces	
3	**Diet and health** Digestion, food groups and food tests		**Diet and health** Malnutrition and obesity, energy requirements and drugs		**Atoms, elements and compounds** Elements and the Periodic Table, the difference between mixtures and compounds		
4	**Atoms, elements and compounds** Chemical symbols and formulas, chemical reactions and conservation of mass			**Levers, moments and pressure** Levers, calculating turning effects and the principle of moments		**Levers, moments and pressure** Simple machines, pressure and hydraulic machines	
5	**Genetics and evolution** Species, heredity and chromosomes, genes and DNA		**Genetics and evolution** Adaptation, natural selection and evolution, selective breeding and gene banks		**Reactions** Metals and non-metals and reactivity series		
6	**Reactions** Energy changes, exothermic and endothermic reactions and catalysts			**Electricity and electro-magnetism** Static electricity, electric field and charges, circuits and currents		**Electricity and electro-magnetism** Magnetic forces, the Earth's magnetism and electromagnets	