



Year 11 GCSE Sciences Revision Plan 2017

A step-by-step breakdown of what you need to revise each week from January onwards, cross linked to your revision guides pages and the syllabus.

Make sure you stick to it!

To be used in partnership with the
A3 Year 11 Generic Revision Timetable.

Topic	Week beginning	Revision Guide						
		Triple			Core		Additional	
		Physics	Chemistry	Biology	Higher	Foundation	Higher	Foundation
Cells	wk beginning 09/01/17			44			10,13	12
Specialised cells and tissues				46			12	14
Organs and systems				46-47				15
Atoms, Compounds, Isotopes			42				39	41
Ionic Bonding			43-45				40-42	42-44
Covalent bonding		46-48				43-45	45-47	
Forces	wk beginning 16/01/17	47-49					73-76	74-78
Work done		51					78	80
Kinetic/potential energy		52					79	81-82
Power		54					81	84
Car Design		56					83	86
Circulatory system				79-82				
Diffusion	wk beginning 23/01/17			45, 76			11	13
Active transport				77				
Electrolysis			69-71				66-67	67-68
Electroplating							68	69
Current and potential difference		58					85	
Circuits		59,61				86, 88	88-89	
V=IR	wk beginning 30/01/17	60					87	90
Series and parallel		62-64					89-91	91-94
Enzymes				55-58, 60			21-24, 26	23-26,28
Exercise				59			25	27
Respiratory system				75				
Metals			49				46	48
New materials	wk beginning 06/01/2017		50				47	49
Polymers			51					50
Elasticity		53					80	83
Momentum and collisions		55					82	85
Car Design		56					83	86
Relative formula mass	Half term - wk beginning 13/01/2017		52-54				49-50	51
% yield							51-52	52
% yield and reversible reactions				55				53
Reversible reactions and Haber Process				81-82				
Moles and titration				87-88				
Scanning the body		81-83						
Lenses and refraction		84-87,90						
The eye		88-89						
Moments and hydraulics		92-95						
Photosynthesis				48-49			14-15	16-17
Plants			51			17	19	
Distribution of Organisms			52-53			18-19	20-21	
Chemical Analysis and instrumental methods	wk beginning 20/02/17		56				53	54
Rates of Reaction			58-61				55-58	56-59
Electricity		66-68					93-95	96-98
Power		69-70					96-97	100
Magnetic fields		97						
Motors		98-99						
Induction		100						
Transformers	101							
Environmental issues	wk beginning 27/02/17			89-92				
biofuels				93-94				
food production				95-96				
Acids								63-64
Oxides and hydroxides			67				64	65
Acids and Alkalis			65-66				62-63	
Salts		68				65	66	
Atomic Structure	week beginning 06/03/17	71					98	101
Radiation		72-76					99-102	103-105
Radioactive safety		77					103	106
DNA				61			27	29
Mitosis and reproduction				62			28	30-31
Meiosis				63			29	
Stem Cells	wk beginning 13/02/17			64			30	32
Collision theory			62				59	
Collisions and catalysts			63				60	61-62
Reaction energy			64				61	62
Energy			89-92					
Nuclear fission and fusion		78					104	107-108
Life cycle of a star		79					105	109

Topic	Week beginning	Revision Guide						
		Triple			Core		Additional	
		Physics	Chemistry	Biology	Higher	Foundation	Higher	Foundation
Genetic diagrams	wk beginning 20/03/17			65,67,69			31,33,35	33-34
Mendel				66			32	35
Genetic disorders				68			34	36
Embryo Screening				68				37
Fossils/extinction				70-71			36-37	38-39
v-t d-t graphs			43-44				70-71	71-72
Weight, mass and gravity		46				72	73	
Diet and Metabolic rate	wk beginning 20/03/17			12	13	12		
Health				14-15	14-15	13-14		
Fighting disease				15-18	16-19	15-18		
The nervous system				19-20	20-21	19-20		
The periodic table and elements			12-13,73,74		45-46	44-45		
Electron Shells			14		47	46		
Compounds and equations	wk beginning 27/03/17		15-16		48-49	47		
Conduction, convection and radiation			12-15.		75-77	72-74		
Condensation and evaporation			15		78	75		
Heat transfer and efficiency			16-17,20-22		79-80	76-78		
SHC			18		81	79		
Hormones	wk beginning 03/04/17			21	22	21		
Menstrual cycle				22	23	22		
fertility				23	24	23		
Plant hormones				24	25	24		
Limestone			17		50	48		
Extraction of metals	wk beginning 10/04/17 Easter		19-23		55-56	50-53		
Alloys			24		57	55		
Energy transfers			19		82-85	80		
Electricity cost			23-24		86-87	84-85		
Renewable and non-renewables			26-27		89-90	87-88		
National Grid			33		96	94		
Homeostasis				25, 83-84	26	25		
Kidney				85-87				
Drugs				26-28	27-29	26-28		
Crude oil			25-27		58-60	56-58		
Environmental Issues		28-29		61-62	59-60			
Cracking	wk beginning 17/04/17 Easter		31		64	62		
Alkenes and polymers			32-34		65-67	63-65		
Emulsions			36		69	67		
Waves			34-35		97-98	95-97		
Refraction			36		99	98		
Origin of Universe			40-41		103	102		
Adaptations and competition				30-31	31-32	30-31		
Environmental change				32	33	32		
Pyramids of biomass and decay				33-34	34-35	33-34		
Carbon cycle			35	36	35			
Earths structure and tectonics	wk beginning 24/04/17		37-38		70-71	68-69		
Atmosphere			39-40		72-73	70		
Water quality			78-80					
Testing for ions			93-94					
Variation and genes				36-37	37-38	36-37		
Reproduction and cloning				38-39	39-40	38-39		
Evolution	wk beginning 01/05/17			41-42	42-43	41-42		
Fighting disease				15-18	16-19	15-18		
The nervous system				19-20	20-21	19-20		
Electromagnetic waves			37-38		100-101	99-100		
Sound waves			39		102	101		
Origin of Universe			40-41		103	102		
Moments and hydraulics	wk beginning 08/05/17	92-95						
Circular motion			96					
The periodic table and elements			12-13,73,74		45-46	44-45		
Electron Shells			14		47	46		
Compounds and equations			15-16		48-49	47		
Group 1 and 7 elements			75-76					
Transition elements		77						