

Subject: Science Year 7 Curriculum Map



Term /Focus	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
				nich is taught the sections aimed	_	-		
	_			s aimed at our G				
Develo	ping Students	with additional	_	s annea at our c	iood and Ex	ceptional		
			Students.	· · · ·				
Key	Safety & Skills –	7C7 – Structure	7B9 – Plants &	7C6 – Acids &	7B10 -	7C11 – The		
knowledg	safe working in	of the Earth	Food Chains	Alkalis	Genes	Universe		
e and	science							
skills	7B8- Bodies –							
	Movement &							
	Cells 7P1 –	7C5 – Particle	702	7D2 Heating 9	7P4 –			
	Introduction to	Model – States	7P2 -	7P3 – Heating &	Sound			
	forces	of matter	Magnetism	Cooling	Waves			
Links to	Biology B1	Physics P6	Biology B16	Chemistry C5	Biology B10	Physics P16		
GCSE	Physics P8-11	PHYSICS PO	Physics P15	Physics P2	Physics P12	PHYSICS P16		
(OUP	Physics Po-11		PHYSICS P15	PHYSICS PZ	PHYSICS P12			
Separate								
Science								
Textbook								
Chapters)								
Homewor	Safety Task	7C7 Task Sheet	7B9 Task Sheet	7C6 Task Sheet	7B10 Task	7C11 Task		
k	Sheet	7C5 Task Sheet	7P2 Task Sheet 7P3 Task Sheet		Sheet	Sheet		
	7B8 Task Sheet		7P4 Task					
	7P1 Task Sheet				Sheet			
Responsi	1. Summativ	e - End of unit tests	every 2/4 weeks					
ve	2. Summativ	e – Exam Style Start	er questions					
Teaching	3. Formative	e - Highlighters to inc	dicate areas of stren	igth and areas for de	evelopment			
	4. Verbal Fe	edback						
	5. Questioni	•						
	6. Practical S	Skills						
	7. Quizzes	/-						
		p/Thumbs down						
	9. House Poi	int Stamp						
Tamala	10. Stickers First 2 weeks		Assessment Week 2	<u> </u>	Assessment W	ands 2		
Termly assessmen	Baseline Assessmen	ıt	7B8 - Bodies	4	All Year 7 Units			
t content	Duscinic Assessifien		7P1 – Introduction t	to forces	All real 7 office	, or work		
	Assessment Week 1	L	7C7 – Structure of t					
	Safety & Skills		7B9 – Plants & Food	l Chains				
	7B8- Bodies		7C6 – Acids & Alkali					
	7P1 – Introduction t	to forces	7C5 – Particle Mode	el				
			7P2 – Magnetism	oling				
			7P3 – Heating & Coo	ning .				







Subject: Science Year 8 Curriculum Map



Term/Focus	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
All studen	ts in Science fo	ollow a Core	e curriculum w	hich is taug	ght through	mixed ability		
setting. Th	nis means that	each indivi	dual lesson ha	s sections a	aimed at Fou	ındation and		
Developing	Students with	additional	challenge tasl	ks aimed at	our Good ar	nd Exceptional		
Students.								
Key	Skills review	8P1 – More	8B9	8C6 –	8P3 -	Maths skills		
knowledge		Forces	Respiration &	Chemical	Electricity	transition Unit		
and skills	Photosynthesis Reactions							
	8B8-	8C5	8C7 – Climate	8P2 –	8B10 -			
	Organisms	Elements,	Change	Pressure	Evolution			
		Compounds						
		& Mixtures						
Links to GCSE	Biology B3-B4	Physics P8-	Biology B9 -	Chemistry	Physics P4-	Working		
(OUP Separate		11 Chemistry	B10 Chemistry C13	C5 Physics P11	P5 Biology B14-	Mathematically in Science		
Science		C1	Chemistry C13	Filysics FII	B15	iii science		
Textbook								
Chapters)								
Homework	Skills Task	8P1 Task	8B9 Task Sheet	8C6 Task	8P3 Task	How Science		
	Sheet 8B8 Task Sheet	Sheet 8C5 Task	8C7 Task Sheet	Sheet 8P2 Task	Sheet 8B10 Task	Works Task sheets		
	obo rask sneet	Sheet		Sheet	Sheet	Sileets		
Responsive	1. Summati		t tests every 2/4 w					
Teaching			e Starter question					
			s to indicate areas	of strength an	d areas for deve	lopment		
	4. Verbal Fe 5. Question							
	6. Practical	_						
	7. Quizzes							
		up/Thumbs do	wn					
	9. House Po	oint Stamp						
	10. Stickers							
Termly	Assessment We	ek 1	Assessment W	eek 2	Assessment	Week 3		
assessment	Year 7 Content	and Maths	8B8 - Organism	ıs	8B8 – Organi	sms		
content	Skills		8P1 –More for	ces	8P1 – Forces			
			8C5 Elements,	Compounds	8C5 – Elemei	nts, Compounds		
			& Mixtures		and Mixtures			
					8B9 – Respira			
					Photosynthe			
					8C7 – Climate 8C6 – Chemie	•		
					8P2 - Pressur			
					OFZ - PIESSUI	C		







Subject: Science Year 9 Curriculum Map



T/F			Conting					
Term/Focus		ıtumn	Spring Summer a Core Curriculum. All units are transition units to					
prepare st	udents for G	SCSE study. Cla	asses are set wh	ich allows	for tea	chers	to adapt the	
challeng	e to the nee	eds of the clas	s. Foundation ar	nd Develop	oing Stu	udents	will work	
towards th	e Foundatio	n Level GCSE	Material, whilst	our Good	and Ex	ceptio	nal Students	
will be targeted with Higher Level GCSE material.								
Key	Maths Skills	9P1 – Motion	9B10 -	9P2 –	9P4- Lig	ht	9C7 – Earth's	
knowledge	transition		Interdependence	Energy			Resources	
and skills	Unit	9B9 – Energy in		Resources				
		Biology						
	0.70		000		0744		2012 111 2	
	9B8 – Advanced	9C5 Periodic	9C6 – Atomic	9P3 –	9B11 -	. 0	9C12 – Acids & Alkalis	
	Cells	Table	Structure	Energy Transfers	Ecology Ecosyste		Aikaiis	
Links to GCSE	Maths Skills	Physics -P9	Biology B16	Physics P3	Physics		Chemistry C14	
(OUP	in Science	Biology B8-B9	Chemistry C1	Physics P2	P14		Chemistry C5	
Separate	Biology B1	Chemistry C2	,	,	Biology	B17-	,	
Science					B18			
Textbook								
Chapters)								
Homework	Skills Task	9P1 Task Sheet	9B10 Task Sheet	9P2 Task	9P4 Tasl	k	9C7 Task Sheet	
	Sheet 9B8 Task	9B9 Task Sheet 9C5 Task Sheet	9C6 Task Sheet	Sheet 9P3 Task	Sheet 9B11 Ta	o de	9C12 Task Sheet	
	Sheet	9C5 Task Sheet		Sheet	Sheet	ISK		
Responsive		ummative - End of	unit tests every 2/4		Jileet			
Teaching			Style Starter question					
_	3. Fo	3. Formative - Highlighters to indicate areas of strength and areas for development						
		ractical Skills						
		uizzes numbs up/Thumb:	s down					
		ouse Point Stamps						
		cickers	-					
Termly			Assessment Week 2			Assessm	ent Week 3	
assessment	Mathema	tical & How	9B8 – Cells		9	9B8 – Ce	lls	
content	Science W		9P1 – Motion			9P1 – Mo		
	Assessme		9B9 – Energy in Biolo	gy			ergy in Biology	
			9C5 – Periodic Table				riodic Table	
			9P2 – Energy Resourd 9C6 – Atomic Structu				ergy Resources omic Structure	
			Jeo – Atomic Structu	16			ergy Transfers	
							terdependence	
	3310 Interdependence							







Subject: Combined Science Year 10 Curriculum Map



Term/Focus	Aur	tumn	Çn.	ring	Summ	ıor			
				-					
All students in Year 10 Science follow either Combined Science or Separate Science									
Courses. Combined Science is followed by 10L2, 10R2 & 10R3. Classes are set which allows									
for teache	for teachers to adapt the challenge to the needs of the class. Most students will work								
towards	the Foundat	ion GCSE Exar	ns in Science	(Grades 1-5), s	some students	may be			
identifie	d as Higher	Tier students	based on in c	lass Assessme	nts, these will r	eceive			
	_				n Science(Grade				
Key knowledge	P4 -	P5 - Electricity	P7 - Radiation	P9 – Motion	C8 – Rates of	C12 -			
and skills	Electricity	in the Home			Reaction	Analysis			
(Topics are	C4 –	C5 – Chemical	P8 – Forces in	P10 Force &	C9 –	_			
taught on	Quantitative	Change	Balance	Motion					
rotation so each	Chemistry	Change	Dalance	WIGHION	Hydrocarbons				
class may vary slightly from	B4 –	B5 –	B6 –	B7 – Non-	B9 – Respiration	B10 -			
this general	Organising	Communicable	Preventing	Communicable	D3 - Kespiration	Human			
overview)	Plants &	Diseases	Disease	Diseases		Nervous			
	Animals		C7 - Energy	B8 -		System			
			,	Photosynthesis					
Homework	P4 Trilogy Home	work Booklet	P7 Trilogy Homey	vork Booklet	CS Trilogy Homewor	rk Booklet			
Homework	C4 Trilogy Home		P7 Trilogy Homework Booklet P8 Trilogy Homework Booklet C8 Trilogy Homework Booklet C9 Trilogy Homework Booklet						
	B4 Trilogy Home		P9 Trilogy Homev		C12 Trilogy Homework Booklet				
	P5 Trilogy Home		B6 Trilogy Homework Booklet B9 Trilogy Homework Booklet						
	C5 Trilogy Home		B7 Trilogy Homework Booklet B10 Trilogy Homework Booklet						
	B5 Trilogy Home	ework Booklet	B8 Trilogy Homework Booklet P10 Trilogy Homework Booklet						
Responsive	1. Summativ	ve - End of unit test	C7 Trilogy Homey	vork Booklet					
Teaching –		ve – End of diffe test. ve – Exam Style Star	•						
		•	·	ength and areas for o	development				
	4. Verbal Fe	edback							
	5. Question	-							
	6. Practical	Skills							
	7. Quizzes 8. Thumbs u	ıp/Thumbs down							
		int Stamps							
		nly Intervention Test	ts						
Termly	Assessment W	/eek 1	Assessment We	ek 2	Assessment Week	3			
assessment	Year 9 Conten	t:	As per Assessmo	ent 1 also:	As per Assessment				
content	B1 – Cells		P4 – Electricity		P8 – Forces in Bala	ance			
	B2 – Cell Divisi		P5 – Electricity i	n the Home	P9 – Motion				
	B3 – Digestive	System	P7 – radiation	Cl. · ·	C7 – Energy				
	C1 – Atoms	·- I- I -	C4 – Quantitativ		B6 – Preventing Di				
	C2 - Periodic T		C5 – Chemical C	-	B7 – Non-Commur	nicable			
	C3 – Structure	& Bonding	C6 - Electrolysis		Disease	sic			
	P1 – Energy P2 – Heat Trar	nefor	B4 – Organising Animals	ridiils &	B8 – Photosynthes B9 - Respiration	015			
	P3 – Heat Hai		B5 – Communic	ahle Disease	D3 - Keshilation				
1	Lish - Eller BA Ke	esources	65 – Communic	anie disease	1				



P6 – Molecules & Matter





Physics

P1 – Energy

P2 – Heat Transfer

P3 – Energy Resources

P6 – Molecules & Matter

Subject: Separate Science Year 10 Curriculum Map



Term	Science	Autumn	Spring	Summer
Focus				

All students in Year 10 Science follow either Combined Science or Separate Science Courses. Separate Science is followed by 10L1 and 10R1. Most students will work towards the Higher Tier GCSE Exams in 3 Sciences (Grades 4-9). Some students may be identified by assessment as needing to move into a combined Science group to allow them to follow Combined Science at a Higher Tier Level. This is still at grades 4-9 but with a reduced content and only 2

Key	Biology	B4 –	B5 –		am passe	B7 – Non-	B8 –	B9 –	B10 -
Key	ыоюду	Organising Plants &	Communicabl e Diseases		Preventin g Disease	Communicabl e Diseases		Respiration	Human Nervous
		Animals							System
	Chemist ry	C4 – Quantitativ e Chemistry	C5 – Chemical Change	C6 - Electrolysi	C7 – Energy	C8 – Rates of Reaction		C9 – Hydorcarbons	C12 - Analysis
	Physics	P4 - Electricity	P5 - Electricity in the Home	P7 - Radiation	P8 – Forces in Balance	P9 – Motion		P10 - Force & Motion	P11 - Pressure
Home	Biology	B4 Homewo	ork Booklet	B6 Home	work Bookle	et	B9 Homew	ork Booklet	
work	81	B5 Homewo		B7 Home	work Bookle work Bookle	et		work Booklet	
	Chemist	C4 Homewo	ork Booklet		work Bookle		C8 Homew	ork Booklet	
	ry	C5 Homewo	ork Booklet		work Bookle		C12 Homework Booklet P10 Homework Booklet P11 Homework Booklet		
	Physics	P4 Homewo P5 Homewo P7 Homewo	ork Booklet	P9 Home	vork Bookle vork Bookle work Book	et			
Responsi ve Teaching	2. Sum 3. Forn 4. Verb	mative – Exam	n Style Starter q	very 2/4 weeks questions cate areas of strength and areas for development					
	6. Prac	tical Skills	up/Thumbs dov	vn					
		se Point Stamp Termly Interve							
Termly assessment content	Science	Assessmei		Assessmei			Assessment Week 3		
	Biology	B1 – Cells		As per term 1			r term 2 and		
		B2 – Cell Divis B3 – Digestive		B4 – Organisir B5 – Commun		B7 – I B8 – I	Preventing Dise Non-Communic Photosynthesis Respiration		
				B9 - Respiration As per term 1 and As per term 2 and					
	Chemistry	C1 – Atoms C2 - Periodic T		As per term 1 C4 – Quantita		As pe	r term 2 and nergy		

As per Term1 and

P5 – Electricity in the Home

P4 – Electricity

P7 – radiation

As per term 2 and

P9 – Motion

P8 – Forces in Balance



Subject: Separate Science Year 11 Curriculum Map Autumn Spr



Territy Focus Science	Autum	3pi ilig	Sullillel				
All students in Year 11 Science follow either Combined Science or Separate Science							
Courses. Separate Science is followed by 11L1 and 11R1. Most students will work towards							
the Higher Tier GCSE	the Higher Tier GCSE Exams in the 3 Sciences (Grades 4-9). However following mock						
examinations those students not achieving Level 5 or above will be moved into a							
combined Science group to allow them to follow Combined Science at a Higher Tier Level,							
this is still at grades	4-9 but with a reduced conte	ent and only 2 GCSE exa	m passes.				

Key knowledge and skills (Topics are taught on rotation so each	Biology	B10 – Human Nervous System B12 – Homeostasis in Action	B11 – Hormonal Coordination B13 - Reproduction	B14 - Variation B15 - Genetics	B16 - Adaptations B17 - Ecosystems	B18 Ecology
class may vary slightly from this general overview)	Chemistry	C8 – Rates of Reaction C9-11 – Organic Chemistry	C12 - Analysis	C13 - Atmosphere	C14 – Earth's Resources	C15 – Using Resources
,	Physics	P10 - Force & Motion P11 - Pressure	P12 - Waves P13 - Electromagnetic Spectrum	P14 - Light	P15 - Magnetism	P16 - Space
Homework	Iomework Biology Chemistry		B10 Homework Booklet B12 Homework Booklet B11 Homework Booklet B13 Homework Booklet		B14 Homework Booklet B15 Homework Booklet B16 Homework Booklet B17 Homework Booklet	
			C8 Homework Booklet Organic Homework Booklet C12 Homework Booklet		C13 Homework Booklet C14 Homework Booklet	
	Physics	P10 Homework Bool P11 Homework Bool P12 Homework Bool	klet	P13 Homework Booklet P14Homework Booklet P15 Homework Booklet		P16 Homework Booklet
Responsive Teaching –	 Summative - End of unit tests every 2/4 weeks Summative - Exam Style Starter questions Formative - Highlighters to indicate areas of strength and areas for development Verbal Feedback Questioning Practical Skills Quizzes Thumbs up/Thumbs down House Point Stamps 					
Termly	10. Fortnigh Science	ntly Intervention Test Mock Exams		Mock Exams March		
assessment content	Biology	Paper 1 – Ur	nis B1 – B9	Paper 2	2 – Units B1	0 – B14
Content	Chemistry Physics	Paper 1 – Un Paper 1 - Un		Paper 2 – Units C8 – C13 Paper 2 – Units P8 – P15		







Subject: Combined Science Year 11 Curriculum Map



Term/Focus		Autumn		Spring		Summer		
All studen	its in Year 1	.1 Science f	ollow eith	ner Combined Sc	ience or Se	parate Science		
Courses. C	Combined S	cience is fo	llowed by	11L2, 11R2 & 1	1R3. Classe	s are set which		
			-					
	allows for teachers to adapt the challenge to the needs of the class. Most students will							
work towards the Foundation GCSE Exams in Science (Grades 1-5), some students may be identified as Higher Tier students based on in class Assessments, these will receive								
	_				•			
additional help to work towards the Higher Tier GCSE Exams in Science(Grades 4-9).								
Key knowledge	B13 –			B16 – Adaptation	D40			
and skills	Reproduct	B15 -	Evolution	DIO /taaptation	B18 -			
(Topics are taught on	B14 Variat	tion		B17 - Ecosystems	Ecology			
rotation so each	C8 – Rates	of				Revision		
class may vary	Reactio	C12	- Analysis			across all		
slightly from	Reaction			C14 – Earth's Ro	esources	across an		
this general	C9 – Hydroca	rhons	C13 -	Science				
overview)	-		nosphere P13 –					
	P10 – Forc	ዮ ጼ	omagnetic			topics		
	Motion		ectrum	P14 - Magne				
	P12 - Wav							
Homework			.	D16 Trilogy Homewor	k Dooklot	Past Daner Question		
nomework		mework Bookle mework Bookle		B16 Trilogy Homewor B17 Trilogy Homewor	Past Paper Question Packs			
		omework Booklet nework Booklet nework Booklet omework Booklet omework Booklet omework Booklet omework Booklet		B18 Trilogy Homework Booklet C14 Trilogy Homework Booklet P14 Trilogy Homework Booklet		1 deks		
	C9 Trilogy Hon							
		mework Bookle						
Responsive Teach	<u> </u>			t tests every 2/4 weeks		1		
•				e Starter questions				
				s to indicate areas of st	rength and area	s for development		
		4. Verbal Fee						
		5. Questioni 6. Practical S	•					
		7. Quizzes	OKIIIS					
		8. Thumbs u	p/Thumbs do	wn				
		9. House Poi	nt Stamps					
		10. Fortnightl						
Termly assessmer	nt content	Science	Mock	Exams November	Mo	ck Exams March		
		Biology	Pape	er 1 – Unis B1 – B9	Paper	2 – Units B10 – B13		
		Chemistry	Pape	r 1 – Units C1 – C7	Paper	· 2 – Units C8 – C13		
		- ·		4 11 11 04 05		2 11 1: 20 247		

Paper 1 - Units P1 – P7



Physics



Paper 2 – Units P8 – P15