

Subject: Science Year 7 Curriculum Map



Term /Focus	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2			
settir	All students in Science follow a Core curriculum which is taught through mixed ability setting. This means that each individual lesson has sections aimed at Foundation and Developing Students with additional challenge tasks aimed at our Good and Exceptional								
Develo	ping Students	with additional	Students.	s aimed at our G	iood and Ex	ceptional			
Key knowledg e and skills	Safety & Skills – safe working in science 7B8- Bodies – Movement & Cells	7C7 – Structure of the Earth	7B9 – Plants & Food Chains	7C6 – Acids & Alkalis	7B10 - Genes	7C11 – The Universe			
	7P1 – Introduction to forces	7C5 – Particle Model – States of matter	7P2 - Magnetism	7P3 – Heating & Cooling	7P4 – Sound Waves				
Links to GCSE (OUP Separate Science Textbook Chapters)	Biology B1 Physics P8-11	Physics P6	Biology B16 Physics P15	Chemistry C5 Physics P2	Biology B10 Physics P12	Physics P16			
Homewor k	Safety Task Sheet 7B8 Task Sheet 7P1 Task Sheet	7C7 Task Sheet 7C5 Task Sheet	7B9 Task Sheet 7P2 Task Sheet	7C6 Task Sheet 7P3 Task Sheet	7B10 Task Sheet 7P4 Task Sheet	7C11 Task Sheet			
Responsi ve Teaching	7P1 Task Sheet 1. Summative - End of unit tests every 2/4 weeks 2. Summative - Exam Style Starter questions 3. Formative - Highlighters to indicate areas of strength and areas for development 4. Verbal Feedback 5. Questioning 6. Practical Skills 7. Quizzes 8. Thumbs up/Thumbs down 9. House Point Stamp 10. Stickers								
Termly assessmen t content	First 2 weeks Baseline Assessment Assessment Week 3 Safety & Skills 7B8- Bodies 7P1 – Introduction	1	Assessment Week 2 7B8 - Bodies 7P1 - Introduction to forces 7C7 - Structure of the Earth 7B9 - Plants & Food Chains 7C6 - Acids & Alkalis 7C5 - Particle Model 7P2 - Magnetism 7P3 - Heating & Cooling		Assessment Week 3 All Year 7 Units of work				







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	as sections a	aimed at Fou	ndation and
Developing	Students with	additional	challenge task	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-	905	8C7 – Climate	8P2 –	8B10 -	
	Organisms	8C5 Elements,	Change	Pressure	Evolution	
	Cigamonio	Compounds	Citalige		210141011	
		& Mixtures				
Links to GCSE	Biology B3-B4	Physics P8-	Biology B9 -	Chemistry	Physics P4-	Working
(OUP		11	B10	C5	P5	Mathematically
Separate Science		Chemistry C1	Chemistry C13	Physics P11	Biology B14- B15	in Science
Textbook						
Chapters)						
Homework	Skills Task	8P1 Task	8B9 Task Sheet	8C6 Task	8P3 Task	How Science
	Sheet	Sheet	8C7 Task Sheet	Sheet	Sheet	Works Task
	8B8 Task Sheet	8C5 Task Sheet		8P2 Task Sheet	8B10 Task Sheet	sheets
Responsive	1. Summati	l .	l t tests every 2/4 w		Silect	
Teaching			e Starter question			
			s to indicate areas	of strength an	d areas for deve	lopment
	4. Verbal Fe					
	 Question Practical 	_				
	7. Quizzes	JKIII3				
		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		8B8 - Organism		8B8 – Organi	
content	Skills		8P1 –More for		8P1 – Forces	
			8C5 Elements,	Compounds	8C5 – Elemer	nts, Compounds
			& Mixtures		and Mixtures	5
					8B9 – Respira	
					Photosynthe	
					8C7 – Climate	_
					8C6 – Chemic	
					8P2 - Pressur	е







Subject: Science Year 9 Curriculum Map



Term/Focus	Α	utumn	Spring			Sui	mmer	
All studen	ts in Year 9	Science follow	v a Core Curricul	um. All un	its are	transit	tion units to	
prepare st	udents for (GCSE study. Cl	asses are set wh	ich allows	for te	achers [•]	to adapt the	
		_	s. Foundation ar				=	
_			Material, whilst	_	_			
towards tri			with Higher Leve			-	iiai Stadeiits	
Key	Maths Skills	9P1 – Motion	9B10 -	9P2 –	9P4- Li		9C7 – Earth's	
knowledge	transition	9F1 - WOUGH	Interdependence	Energy	3P4- L	igiit	Resources	
and skills	Unit	000 5	Пистаеренаенее	Resources			nesourees	
		9B9 – Energy in Biology						
	9B8 –	9C5 Periodic	9C6 – Atomic	9P3 –	9B11 -		9C12 – Acids &	
	Advanced	Table	Structure	Energy	Ecolog		Alkalis	
Links to GCSE	Cells Maths Skills	Physics -P9	Biology B16	Transfers Physics P3	Physic	s P12 &	Chemistry C14	
(OUP	in Science	Biology B8-B9	Chemistry C1	Physics P2	P14	3112 Q	Chemistry C5	
Separate	Biology B1	Chemistry C2	J	, 6.65	Biolog	y B17-		
Science		,			B18	•		
Textbook								
Chapters)								
Homework	Skills Task	9P1 Task Sheet	9B10 Task Sheet	9P2 Task	9P4 Ta	ısk	9C7 Task Sheet	
	Sheet 9B8 Task	9B9 Task Sheet 9C5 Task Sheet	9C6 Task Sheet	Sheet 9P3 Task	Sheet 9B11 T	Fack	9C12 Task Sheet	
	Sheet	9C5 Task Sheet		Sheet	Sheet	ask		
Responsive	l	ummative - End o	f unit tests every 2/4		Jiicct			
Teaching		Summative – Exam Style Starter questions						
		,						
		Questioning						
		ractical Skills Juizzes						
	1	7. Quizzes 8. Thumbs up/Thumbs down						
		louse Point Stamp						
	10. S	tickers						
Termly	1 100 000 1111		Assessment Week 2				ent Week 3	
assessment			9B8 – Cells			9B8 – Ce		
content	Science V Assessme		9P1 – Motion 9B9 – Energy in Biolo	· cov		9P1 – M	otion ergy in Biology	
	Assessme		9C5 – Periodic Table	RÀ			riodic Table	
			9P2 – Energy Resource	ces			ergy Resources	
			9C6 – Atomic Structu				omic Structure	
							ergy Transfers	
						9B10 - Ir	iterdependence	







Subject: Combined Science Year 10 Curriculum Map



Term/Focus	Au	tumn	Sp	ring	Summ	er		
All stude	ents in Year 2	10 Science foll	low either Co	mbined Scienc	e or Separate S	cience		
Courses. Cor	mbined Scie	nce is followe	d by 10L2, 10I	R2 & 10R3. Cla	asses are set wh	nich allows		
for teache	ers to adapt	the challenge	to the needs	of the class. N	lost students w	ill work		
					some students			
				•	nts, these will r	-		
	_				n Science(Grade			
Key knowledge	P4 -	P5 - Electricity	P7 - Radiation	P9 – Motion	C8 – Rates of	C12 -		
and skills	Electricity	in the Home	P7 - Radiation	P9 - Motion	Reaction	Analysis		
(Topics are	•			210 7		Anarysis		
taught on	C4 –	C5 – Chemical	P8 – Forces in	P10 Force &	C9 –			
rotation so each	Quantitative Chemistry	Change	Balance	Motion	Hydrocarbons			
class may vary slightly from	B4 –	B5 -	B6 –	B7 – Non-	B9 – Respiration	B10 -		
this general	Organising	Communicable	Preventing	Communicable	D5 Respiration	Human		
overview)	Plants &	Diseases	Disease	Diseases		Nervous		
	Animals		C7 - Energy	B8 -		System		
				Photosynthesis				
Homework	P4 Trilogy Home	ework Booklet	P7 Trilogy Homev	vork Booklet	C8 Trilogy Homewor	rk Booklet		
	C4 Trilogy Home		P8 Trilogy Homev		C9 Trilogy Homewor			
	B4 Trilogy Home		P9 Trilogy Homev		C12 Trilogy Homework Booklet B9 Trilogy Homework Booklet B10 Trilogy Homework Booklet			
	C5 Trilogy Home		B6 Trilogy Homev B7 Trilogy Homev					
	B5 Trilogy Home		B8 Trilogy Homev		P10 Trilogy Homewo			
			C7 Trilogy Homev	vork Booklet				
Responsive Teaching –		ve - End of unit test: ve – Exam Style Star	• •					
reaching –		•	•	ength and areas for	development			
	4. Verbal Fe							
	5. Question	•						
	6. Practical	Skills						
	7. Quizzes 8. Thumbs u	up/Thumbs down						
		int Stamps						
		nly Intervention Test			T			
Termly	Assessment W		Assessment We		Assessment Week			
assessment content	Year 9 Conten	τ:	As per Assessme	ent 1 also:	As per Assessment			
	B1 – Cells B2 – Cell Divisi	ion	P4 – Electricity P5 – Electricity i	n the Home	P8 – Forces in Bala P9 – Motion	ince		
	B3 – Cell Divisi		P7 – radiation	ii die Hollie	C7 – Energy			
	C1 – Atoms	2,000.11	C4 – Quantitativ	ve Chemistry	B6 – Preventing Di	isease		
	C2 - Periodic T	able	C5 – Chemical C	•	B7 – Non-Commu			
	C3 – Structure	& Bonding	C6 - Electrolysis	-	Disease			
	P1 – Energy		B4 – Organising	Plants &	B8 – Photosynthes	sis		
	P2 – Heat Trar		Animals		B9 - Respiration			
	P3 – Energy Re		B5 – Communic	able Disease				



P6 – Molecules & Matter





Physics

P1 – Energy

P2 – Heat Transfer

P3 – Energy Resources

P6 – Molecules & Matter

Subject: Separate Science Year 10 Curriculum Map



Focus	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

	_				•			content and			
	J			_	am passe				•		
Key	Biology	B4 – Organising Plants & Animals	B5 – Communicabl e Diseases	B6 – B7 – Non- Preventin Communicabl g Disease e Diseases		B8 – Photosyn- thesis	B9 – Respiration	B10 – Human Nervous System			
	Chemist ry	C4 – Quantitativ e Chemistry	C5 – Chemical Change	C6 - Electrolysi s	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 work	Biology	B4 Homework Booklet B5 Homework Booklet		B7 Home	work Bookle work Bookle work Bookle	et		B9 Homework Booklet B10 Homework Booklet			
	Chemist ry	C4 Homewo C5 Homewo C6 Homewo	ork Booklet		work Bookle work Bookle			C8 Homework Booklet C12 Homework Booklet			
	Physics	P4 Homewo P5 Homewo P7 Homewo	ork Booklet	P9 Home	work Bookle work Bookle work Book	et		P10 Homework Booklet P11 Homework Booklet			
Responsi ve Teaching	 Sum Forn Verb Que Prac Quiz Half 	Imative - End of unit tests every 2/4 weeks Imative - Exam Style Starter questions Imative - Highlighters to indicate areas of strength and areas for development Ipal Feedback Institute of Strength and areas for development Institute of Strength and Institute of Institute of Strength and Institute of Inst									
Termly assessment content	Science	Assessme		Assessmer		Ass	essment We	eek 3			
	Biology	B1 – Cells B2 – Cell Divis B3 – Digestive	ion	As per term 1 B4 – Organisir B5 – Commun	ng Plants & Ar	imals B6 – B7 – B8 –	per term 2 and – Preventing Disease – Non-Communicable Disease – Photosynthesis - Respiration				
	Chemistry	C1 – Atoms C2 - Periodic T C3 – Structure	able & Bonding	As per term 1 C4 – Quantita C5 – Chemical C6 - Electrolys	tive Chemistry Changes	As po	er term 2 and Energy				

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



rerm/Focus	Science	Autumn	Spring	Summer				
All students in Year 11 Science follow either Combined Science or Separate Science								
Courses. Sep	arate Scienc	ce is followed by 11L1 and 11	R1. Most students will	work towards				
the Highe	r Tier GCSE	Exams in the 3 Sciences (Grad	des 4-9). However follo	wing mock				
examina	tions those	students not achieving Level	5 or above will be mov	ed into a				
combined Sc	ience group	to allow them to follow Con	nbined Science at a Hig	ner Tier Level,				

this is sti		4-9 but with a	reduced cont	ent and only 2	GCSE exa	m passes.	
Key knowledge	Biology	B10 – Human	B11 – Hormonal	B14 - Variation	B16 -	B18 Ecology	
and skills		Nervous System	Coordination		Adaptations		
(Topics are		B12 -	B13 - Reproduction	B15 - Genetics	B17 -		
taught on		Homeostasis in			Ecosystems		
rotation so each		Action					
class may vary	Chemistry	C8 – Rates of	C12 - Analysis	C13 -	C14 –	C15 – Using	
slightly from this		Reaction		Atmosphere	Earth's	Resources	
general		00.44 0 :			Resources		
overview)		C9-11 – Organic					
overview)	Dhysics	Chemistry P10 - Force &	P12 - Waves	P14 - Light	P15 -	P16 - Space	
	Physics		P12 - waves	P14 - Light		P16 - Space	
		Motion P11 - Pressure	P13 -	_	Magnetism		
		P11 - Plessure	Electromagnetic				
			Spectrum				
Homework	Biology	B10 Homework Bool	· •	B14 Homework Boo	klet	B18 Homework	
Holliework	ыоюду	B12 Homework Bool		B15 Homework Boo		Booklet	
		B11 Homework Bool		B16 Homework Booklet		Bookiet	
		B13 Homework Bool		B17 Homework Booklet			
	Chemistry	C8 Homework Bookl		C13 Homework Boo		C15 Homework	
	,	Organic Homework I	Booklet	C14 Homework Boo	klet	Booklet	
		C12 Homework Bool					
	Physics	P10 Homework Book	det	P13 Homework Boo	klet	P16 Homework	
		P11 Homework Book	det	P14Homework Boo	klet	Booklet	
		P12 Homework Book	det	P15 Homework Boo	klet		
Responsive	1. Summat	tive - End of unit test	s every 2/4 weeks				
Teaching –		tive – Exam Style Star	• •				
_		ve - Highlighters to ir	•	ngth and areas for d	evelopment		
		eedback		-	•		
	5. Questio	ning					
	6. Practica	-					
	7. Quizzes						
	·	up/Thumbs down					
		Point Stamps					
		ntly Intervention Test	c				
Termly	Science	Mock Exams		RA a.	ck Exams M	arch	
assessment							
content	Biology	Paper 1 – Ur	nis B1 – B9	Paper 2	2 – Units B1	0 – B14	
Content	Chemistry	Paper 1 – Un	its C1 – C7	Paper	2 – Units C	8 – C13	
	Physics	Paper 1 - Un			2 – Units Pa		







Subject: Combined Science Year 11 Curriculum Map



real II Curriculant Map							
Term/Focus		Autumr	1	Spring Summer			
All studen	ts in Year 1	1 Science	ce follow eith	ther Combined Science or Separate Science			
				11L2, 11R2 & 1		=	
			-			ost students will	
		-	_				
				•	• •	ne students may	
be identifie	d as Higher	r Tier stu	udents based	on in class Asse	ssments, th	nese will receive	
additional	help to wo	rk towa	rds the Highe	er Tier GCSE Exai	ms in Scien	ce(Grades 4-9).	
Key knowledge	B13 -			P16 Adaptation			
and skills	Reproduct	ion	315 - Evolution	B16 – Adaptation	B18 -		
(Topics are	B14 Variat			B17 - Ecosystems	Ecology		
taught on rotation so each				,		Revision	
class may vary	C8 – Rates		C12 - Analysis				
slightly from	Reaction	n		C14 – Earth's Re	esources	across all	
this general	C9 – Hydroca	rbons	C13 -				
overview)			Atmosphere			Science	
	P10 – Forc	e & _	P13 –			topics	
	Motion		lectromagnetic	P14 - Magne	etism	•	
			Spectrum				
	P12 - Wav	/es					
Homework	B13 Trilogy Ho			B16 Trilogy Homework Booklet		Past Paper Question	
		omework Booklet		B17 Trilogy Homewor B18 Trilogy Homewor	Packs		
		omework Booklet		C14 Trilogy Homewor			
	C8 Trilogy Hor			P14 Trilogy Homework Booklet			
	C9 Trilogy Hom	nework Boo	oklet	l P14 Trilogy Homewor	k Booklet		
	C9 Trilogy Hom C12 Trilogy Ho			P14 Trilogy Homewor	к воокіет		
	C12 Trilogy Ho C13 Trilogy Ho	mework Bo mework Bo	ooklet ooklet	P14 Trilogy Homewor	к воокіет		
	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho	mework Bo mework Bo mework Bo	ooklet ooklet ooklet	P14 Trilogy Homewor	к воокіет		
	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho	mework Bo mework Bo mework Bo mework Bo	ooklet ooklet ooklet ooklet	P14 Trilogy Homewor	к воокіет		
Posnonsivo Toach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bo mework Bo mework Bo mework Bo mework Bo	ooklet ooklet ooklet ooklet ooklet				
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bo mework Bo mework Bo mework Bo 1. Sumr	ooklet ooklet ooklet ooklet ooklet mative - End of uni	t tests every 2/4 weeks			
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bo mework Bo mework Bo mework Bo 1. Sumr 2. Sumr	ooklet ooklet ooklet ooklet mative - End of uni mative – Exam Styl			s for development	
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bo mework Bo mework Bo mework Bo 1. Sumr 2. Sumr 3. Form	ooklet ooklet ooklet ooklet mative - End of uni mative – Exam Styl	t tests every 2/4 weeks e Starter questions		s for development	
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bo mework Bo mework Bo mework Bo 1. Sumr 2. Sumr 3. Form 4. Verba 5. Ques	ooklet poklet poklet poklet mative - End of uni mative – Exam Styl pative - Highlighters al Feedback	t tests every 2/4 weeks e Starter questions		s for development	
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bomework Bomew	pooklet pooklet pooklet pooklet mative - End of uni mative – Exam Styl pative - Highlighters al Feedback tioning pical Skills	t tests every 2/4 weeks e Starter questions		s for development	
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bo mework Bo mework Bo mework Bo 1. Sumr 2. Sumr 3. Form 4. Verba 5. Ques 6. Pract 7. Quizz	pooklet pooklet pooklet pooklet pooklet mative - End of uni mative – Exam Styl lative - Highlighters al Feedback tioning pical Skills	t tests every 2/4 weeks e Starter questions s to indicate areas of st		s for development	
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bomework Bomew	pooklet pooklet pooklet pooklet pooklet mative - End of uni mative – Exam Styl lative - Highlighters al Feedback tioning lical Skills les libs up/Thumbs do	t tests every 2/4 weeks e Starter questions s to indicate areas of st		s for development	
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho	mework Bomework Bomew	pooklet pooklet pooklet pooklet pooklet mative - End of uni mative – Exam Styl lative - Highlighters al Feedback tioning pical Skills	t tests every 2/4 weeks e Starter questions s to indicate areas of st		s for development	
Responsive Teach	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho ing –	mework Bomework Bomew	pooklet pooklet pooklet pooklet pooklet mative - End of uni mative - Highlighters al Feedback tioning pical Skills tes pooklet the pooklet tioning tical Skills tes pooklet tioning tical Skills tes pooklet tioning tical Skills tes tical Skills	t tests every 2/4 weeks e Starter questions s to indicate areas of st	rength and area	s for development	
	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho ing –	mework Bomework Bomew	pooklet pooklet pooklet pooklet mative - End of uni mative - Exam Styl mative - Highlighters al Feedback tioning cical Skills res hbs up/Thumbs do re Point Stamps hightly Interventio	t tests every 2/4 weeks e Starter questions s to indicate areas of st wn n Tests x Exams November	rength and area	ck Exams March	
	C12 Trilogy Ho C13 Trilogy Ho P10 Trilogy Ho P12 Trilogy Ho P13 Trilogy Ho ing –	mework Bomework Bomew	pooklet pooklet pooklet pooklet pooklet mative - End of uni mative - Exam Styl pative - Highlighters pal Feedback tioning pical Skills pees pobs up/Thumbs do pe Point Stamps pightly Interventio pice Mock pooklet	t tests every 2/4 weeks e Starter questions s to indicate areas of st wn	rength and area Mo Paper	·	

Paper 1 - Units P1 - P7

Physics





Paper 2 – Units P8 – P15