	KS3	Curriculum Overview						Author(s):	M. Hadfield + M. Harts
						<i>&gt;</i>	Science	Date of last review:	
Curricul	um Intent i	ncludi	ng key skills (	and l	key concep	ots	Ra	tionale for	KS3 Curriculum
ear 7 and 8 uring year 9 CSE courses omework in nderstandir stention and	are split into nine pupils complete s. Pupils focus on icludes a learning ng. At the end of d progress.	e topics, co their KS3 s one practi task, an ac each topic,	vering aspects of Bio studies in the Autum cal skill in each topic ctivity to complete a , pupils will complete	ology, Ch in term a : as well t home a e an asse	nemistry, Physics and and start the introc as developing their and worksheets to essment activity to	nd How S ductory t r knowle check th gauge tl	As a department, we students the scientifi while developing their We follow the Nation	have developed c method and e r observational, r nal Curriculum in	a programme of study designed to teac ngage pupils in understanding our world mathematical and practical skills. n order for pupils to gain the foundatio
ear 7:		_					arranged in an order w	hich promotes p	progression by allowing students to not onl
	Autumn	Term	Spring Tern	1	Sumer Ter	m	revisit / progress on c	urrent knowledg	e but also repeat key skills across multipl
	Cells	Skill WS	Topic   Photosynthesis	Skill R	Topic Reproduction	Skill R	scientific fields.		
	Foreas		+ Respiration	C\\/		C\A/	As a coastal, rural sch	ool we have, lin	nited access to STEM based industries an
	Particles	W/S	Periodic Table	FF	Acids + Alkalis	PS	scientific museums /	institutes. How	ever, our location does provide fantasti
r 8:	- articles		i choule rubic				opportunities for envi	ronmental and e	cological enrichment that could link to th
	Autumn	Term Spring Term			Sumer Ter	m	embedded, we intend	to increase the	amount of enrichment activities utilisin
	Торіс	Skill	Торіс	Skill	Торіс	Skill	our unique costal env	ironment and av	ailable industries.
	Life Support	R	Keeping Healthy	CE	Changing Environments	SW			
	Forces in Action	SW	Waves	EE	Electricity	PS	Relevant Dep ar	nd Access	Arrangements
	Chemical Reactions	WS	Earth Science	WS	Material Science	R	Three question starte	er activities utili	sed across all KS3 groups allows for th
ır 9:							constant review of co	ntent covered th	roughout the year, this will not necessaril
	Autumn	Term Spring Term		n	Sumer Term		be based on the current topic being studied, but instead can be linked to		
	Topic	Skill	Торіс				completed topic.		
	Genetics	SW	Intro to GCSE Physics – Key concepts				Begular homowork set to get students to develop a routine and structure in ord		
	Formula /	ĸ	Intro to GCSE Chemistry – Key concepts			to foster independent learning			
	Equations	WS	Intro to G	CSE Biolo	ogy – Key concepts				
s heing d	leveloped:						Utilisation of dedicate	d science teachi	ng assistant.
		Describe sci	entific ideas (using mode	Is and ana	logies – evaluate mode	ls and ana	The department liaise	with the Access	Arrangement assessor from Y9 in order t
SW – scienc	e in our world	Discuss scie	ntific and technological a	dvances (	pros and cons, effect or	n different	inform planning and g	roup arrangeme	nts for KS4.
		different vie	ewpoints on science / scie	entific idea	as. Areas of our lives / jo	All students follow	the course out	lined, for each topic there are levelle	
		global prob	ems.	. compare		SOLUTIONS L	content around ach	ievable objectiv	es for their group and this include
<b>R</b> – results		Drawing tak	oles and graphs of results	(qualitativ	/e / quantitative).Using	differentiated assessn	nent tasks where	e appropriate.	
		symbols ap data). Takin	g measurements and obs	suits graph ervations	(picking ranges, taking	A very small number	of students in Y8	3 & Y9 (currently) are extracted from the	
CE – conclusions and		Recognise s	imple patterns within res	ults and d	raw simple conclusions	science groups and	join an interver	ntion group managed by R. Burt in thi	
evaluations		results (incl	rimental data and deal w uding graphs). Evaluation	of metho	appropriately. Recogniso ds / results.	intervention group the	ey are following a	an AQA intervention syllabus, which follow	
EE – explaining evidence		Predict the	outcome of investigation	s using sci	entific knowledge (hype	Use of 6 <sup>th</sup> form TA sur	ment.	evention lessons	
		drawn from an investiga	investigations using scie tion could affect results.	ntific idea:	s and models. Explain h	ow control	After school detentio	ons for persisten	it lack of homework in order to suppor
PS – practical skills		Draw scient	ific equipment to outline	the appar	ratus used within an inv	students struggling to	manage their tir	me.	
<b>PS</b> – practic	ai skills		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
<b>°S</b> – practic		scientific m	ethod. Identifying variabl	es in an ex trol variat	periment (independen des within an investigat	t, depende			

## Links to Key Stage 4 and 5

KS3 curriculum is designed to build the foundation knowledge required to be able to access the GCSE science content. All topics appear during the GCSE course in more depth and detail as the KS3 assessment objecti are linked completely within the GCSE.

All KS3 teachers also deliver the GCSE course in a specialist field and can link objectives from the KS3 curriculum to relevant GCSE topics.

All KS3 assessments are designed to expose students to the necessary skills for preparing for, and answering GCSE questions. Students also develop practical skills in preparation the core practical aspect of the GCSE and A-level courses.

Key scientific terminology is taught throughout KS3 with an aim to improve students scientific vocabulary and it be embedded by the time students are ready for the GCSE.

Ilfracombe Academy cialist Arts School & Sixth Form

## 2019-2020

ent Opportunities: ed in our department improvement plan we intend to he amount of science enrichment available to students at my over the next academic year.

rk activities include a practical task that can be easily carried out at y can students are encouraged to complete this with family members, s and to discuss their findings with their science teacher.

tions for 2019-20:

moor Zoo trip iencedipity – e.g. Harry Potter night ark skies – star sphere tronomy club ience industry fair? Local primaries involved

rk activities include a practical task that can be easily carried out at y can students are encouraged to complete this with family members, s and to discuss their findings with their science teacher

ntions for 2019-20:

- moor zoo ranger Jim coming in
- pombe Martin Wildlife Park? Bring in animals?
- istol science museum trip
- stronomy club
- aunton Burrows / rock pooling beach trip

rk activities include a practical task that can be easily carried out at y can students are encouraged to complete this with family members, s and to discuss their findings with their science teacher

tions for 2019-20:

- len project trip
- iencedipity e.g. Biomedical careers event
- niversity trip (with Mr Cronin)
- g Bang (with DT)
- tronomy club
- REST Award club?

	Attached Documentation						
ives	Document	Tick if present					
	Department Improvement Plan						
for	Exam Review						
	Curriculum and Progression Map for Year 7-13						
	Dept Assessment Calendar 7-9						

During the Spring and Summer term of year 9 students are beginning their GCSE course, completing the introductory modules to biology, chemistry and physics. Students are further exposed to GCSE exam questions and examination technique throughout the teaching of these topics, and in the completion of a GCSE style assessment during the year 9 exam week.

Assessment Tasks & Criteria	
Terminal Assessment(s)	
Schemes of Work Year 7-9	