This is a list of topics	which have come up on pa	ast scholarship papers. Y	ou must also ensure tha	t you are comfortable w	ith all of the CE 13+ topi	cs. Use the memory wor	kout booklet to help you	with this.
		Additional guidance		BBC bitesize link - f	for topics not covered in (CE 13+ syllabus. Memory	Workout/revision guide:	should also be used.
Biology				https://www.bbc.co.uk		https://www.bbc.co.uk	https://www.bbc.co.uk	https://www.bbc.co.u
exual reproduction in animals	Selective breeding	Natural selection and evolution		/bitesize/guides/zyv83k 7/revision/1 https://www.bbc.co.uk	<u>bk/revision/1</u> <u>https://www.bbc.co.uk</u>	/bitesize/guides/z9rqcj 6/revision/2	/bitesize/guides/zt9x8 mn/revision/2	/bitesize/guides/z9fg 2/revision/5
				/bitesize/guides/zw9x8	/bitesize/guides/zw9x8			
leart/blood flow				mn/revision/3	mn/revision/5	https://orbitbiotech.co		
						m/bacterial-growth-		
	Factors affecting population	Of bacteria, How to		https://www.bbc.co.uk		curve-generation-time- lag-phase-log-phase-		
Growth curves	(competition, hunting etc.)	measure growth in animals		/bitesize/guides/zpkx8 mn/revision/6	/bitesize/guides/z243g 82/revision/1	exponential-phase- decline-phase/		
				https://www.cliffsnotes	<u>6</u>			
				.com/study- guides/biology/biology				
	In a variety of organsims (inc. fish,			/gas- exchange/mechanisms-	Use this to remind you of what we covered			
Gas exchange	tracheal system etc.)			for-gas-exchange	during science extras			
	Inc. pyramids of			https://www.bbc.co.uk	https://www.bbc.co.uk	https://www.bbc.co.uk	https://www.bbc.co.uk	https://www.bbc.co.u
ood webs and ecosystems	numbers, biomass and energy	Predator-prey cycles	Energy transfers between trophic levels	/bitesize/guides/zq4wjx s/revision/1	<u>/bitesize/guides/zq4wjx</u> s/revision/2	/bitesize/guides/zq4wjx s/revision/4	/bitesize/guides/zxgn9 7h/revision/4	/bitesize/guides/z2m j6/revision/6
	Inc. vaccination and			https://www.bbc.co.uk /bitesize/guides/zwtgp				<u></u>
Communicable diseases	spread			https://www.bbc.co.uk	bk/revision/3			
S	ten denni			/bitesize/guides/zqskv9	L			
Decomposers	Inc. decay			<u>q/revision/1</u>				
Chemistry				https://www.bbc.co.uk				
Rates of reaction				/bitesize/guides/z3nbq hv/revision/1	All pages			
					https://edu.rsc.org/res			
	Inc. comparison of			https://www.bbc.co.uk	ources/thermal- decomposition-of-			
	reactivity of metal			/bitesize/guides/zqd2m	metal-	See 'teaching notes' of		
Thermal decomposition	carbonates			p3/revision/5 https://www.bbc.co.uk	carbonates/450.article	rsc page		
Solubility	Of solids and gases			/bitesize/guides/z4s48 mn/revision/2				
								You do not need to learn the charges on
	Inc. titrations and			https://www.bbc.co.uk	https://www.bbc.co.uk	https://www.bbc.co.uk	https://www.bbc.co.uk	ions, but do need to l abel to work out the
Neutralisation reactions	formation of pure CuSO4			/bitesize/guides/zqxyjt y/revision/1	/bitesize/guides/zqxyjt y/revision/2	/bitesize/guides/zqxyjt y/revision/3	/bitesize/guides/z9fwr wx/revision/5	formula using balancing charges
	Chromatography inc. RF values,				<u>y/(cv/301/2</u>	WICHSION 5	warevisionys	balancing charges
	crystallisation,	Distillation and		https://www.bbc.co.uk /bitesize/guides/zqc6w				
Separating substances	electrolysis	separation of rock salt		6f/revision/1 https://www.my-	All pages			
		Limiting reactant (calculations not	Changes in composition	gcsescience.com/balan cing-chemical-	https://www.bbc.co.uk /bitesize/guides/zwc6w	https://www.bbc.co.uk /bitesize/guides/z3kg2		
Other topics	Balancing equations	required)	of atmosphere	equations/ https://www.bbc.co.uk	6f/revision/1 https://www.bbc.co.uk	nb/revision/4 https://www.bbc.co.uk		
Structure of atoms	Inc. electronic structure, and isotopes			/bitesize/guides/zqgm8 mn/revision/2		/bitesize/guides/zqgm8 mn/revision/4		
	Alkali metals (inc. explanation for			https://www.bbc.co.uk				
Groups in periodic table	changes in reactivity) and appearance of			/bitesize/guides/z3773 k7/revision/2				
	and appearance of							
Physics	Inc. wavelength for			https://www.bbc.co.uk	https://www.bbc.co.uk			
light waves	colour and speed of waves			/bitesize/guides/zdwnb 9q/revision/2	/bitesize/guides/zdwnb 9q/revision/3			
				https://socratic.org/qu				
				estions/what-is-the- spring-constant-in-				
Hooke's law	Inc. combining springs			parallel-connection- and-series-connection				
	Voltage, current,	Should know Voltage =		https://www.bbc.co.uk /bitesize/guides/zwpwr				
Electricity	resistance investigation			wx/revision/1	All pages			
	Specific latent heat and			https://www.bbc.co.uk /bitesize/guides/zwy2k	https://www.bbc.co.uk /bitesize/guides/zwy2k			
Changes of state	specific heat capacity			2p/revision/4	2p/revision/5 http://hyperphysics.ph			
	Inc. Kepler's 3rd law			https://www.youtube.c om/watch?v=72FrZz_zJ		See Mr Tinkler for		
Orbits	and retrograde motion			FU https://www.bbc.co.uk	ler.html#c6	more info		
Enorm	Inc. nowor coleviation			/bitesize/guides/zsjpgd m/revision/1				
Energy	Inc. power calculations			https://www.bbc.co.uk	https://www.bbc.co.uk	https://www.bbc.co.uk		
Heat transfer	Conduction/convection /radiation			/bitesize/guides/zttrd2 p/revision/1	/bitesize/guides/zttrd2 p/revision/2	/bitesize/guides/zttrd2 p/revision/3		

You must also ensure that you are comfortable with all of the common entrance topics. Use the memory workout booklet to help you with this.