

Science Combined Higher Paper

Content Overview	Small Steps	Play list For 2022 Free science lessons	BBC Bitesize	Bitesize Quiz	GCSE Pod link
Biology Paper 1 Part 1	Cell Division for growth and repair	https://www.youtube.com/playlist?list=PL9louNCPbCxUPWRlCfRTQkfW5d1J7qyVE	https://www.bbc.co.uk/bitesize/guides/z2kmk2p/revision/1	https://www.bbc.co.uk/bitesize/guides/z2kmk2p/test	https://members.gcsepod.com/login?redirect_to=https%3A%2F%2Fmembers.gcsepod.com%2Fshared%2Fpodcasts%2Ftitle%2F10934%2F67218
	Animal Tissues and Organ systems- The digestive system		https://www.bbc.co.uk/bitesize/guides/z89mk2p/revision/1	https://www.bbc.co.uk/bitesize/guides/z89mk2p/test	https://members.gcsepod.com/shared/podcasts/title/10937/68822
	Animal Tissues and Organ systems- The cardiovascular System		https://www.bbc.co.uk/bitesize/guides/zsncsr/revision/1	https://www.bbc.co.uk/bitesize/guides/zsncsr/test	https://members.gcsepod.com/shared/podcasts/title/10937/68822
	Photosynthesis		https://www.bbc.co.uk/bitesize/guides/zs4mk2p/revision/1	https://www.bbc.co.uk/bitesize/guides/zs4mk2p/test	https://members.gcsepod.com/shared/podcasts/title/10940/67038
	Limiting Factors of photosynthesis		https://www.bbc.co.uk/bitesize/guides/zs4mk2p/revision/4		
Required practical; test for carbohydrate, lipids and proteins	https://www.youtube.com/watch?v=SqWTJWOBww4&list=PL9louNCPbCxU6sNg_x5rvlsLwA6gNCVzj&index=4&t=16s		https://www.bbc.co.uk/bitesize/guides/z89mk2p/revision/3		https://members.gcsepod.com/shared/podcasts/title/11567/71213
Biology Paper 1 Part 2	Required Practical: How pH affects the activity of the enzyme amylase	https://www.youtube.com/watch?v=JyXXoevEWc8&list=PL9louNCPbCxU6sNg_x5rvlsLwA6gNCVzj&index=5	https://www.bbc.co.uk/bitesize/guides/z89mk2p/revision/7		https://members.gcsepod.com/shared/podcasts/title/11567/71214
	Required practical; the effect of light on rate of photosynthesis	https://www.youtube.com/watch?v=cBCKedXdFeE&list=PL9louNCPbCxU6sNg_x5rvlsLwA6gNCVzj&index=6&t=17s	https://www.bbc.co.uk/bitesize/guides/zs4mk2p/revision/1		https://members.gcsepod.com/shared/podcasts/title/13634/81921
	Chemistry Paper 1 Part 1 (There are no unassessed topics in this paper, opposite are the major focus)	How bonding and structure are related to the properties of substances- Ionic	https://www.youtube.com/playlist?list=PL9louNCPbCxUqeRrrhpjcoEBkyJ9_FpKh	https://www.bbc.co.uk/bitesize/guides/ztc6w6f/revision/1	https://www.bbc.co.uk/bitesize/guides/ztc6w6f/test
How bonding and structure are related to the properties of substances- Simple Covalent			https://www.bbc.co.uk/bitesize/guides/z373h39/revision/1	https://www.bbc.co.uk/bitesize/guides/z373h39/test	https://members.gcsepod.com/shared/podcasts/title/10940/67039

	How bonding and structure are related to the properties of substances- Giant Covalent		https://www.bbc.co.uk/bitesize/guides/zgq8b82/revision/1	https://www.bbc.co.uk/bitesize/guides/z373h39/test	https://members.gcsepod.com/shared/podcasts/title/10940/67040
	Use of amount of substance in relation to masses of pure substances		https://www.bbc.co.uk/bitesize/guides/zyjk3k7/revision/1	https://www.bbc.co.uk/bitesize/guides/zyjk3k7/test	https://members.gcsepod.com/shared/podcasts/title/10940/67041
	Reactivity of metals		https://www.bbc.co.uk/bitesize/guides/zy7dgd/revision/1	https://www.bbc.co.uk/bitesize/guides/zy7dgd/test	https://members.gcsepod.com/shared/podcasts/title/10940/67042
	Reactions of acids		https://www.bbc.co.uk/bitesize/guides/ztv2dxs/revision/1	https://www.bbc.co.uk/bitesize/guides/ztv2dxs/test	https://members.gcsepod.com/shared/podcasts/title/10940/67043
	Electrolysis		https://www.bbc.co.uk/bitesize/guides/z9h9v9q/revision/1	https://www.bbc.co.uk/bitesize/guides/z9h9v9q/test	https://members.gcsepod.com/shared/podcasts/title/10940/67044
	Exothermic and endothermic reactions		https://www.bbc.co.uk/bitesize/guides/z2b2k2p/revision/1	https://www.bbc.co.uk/bitesize/guides/z2b2k2p/test	https://members.gcsepod.com/shared/podcasts/title/10940/67045
Chemistry Paper 1 Part 2 (There are no unassessed topics in this paper, opposite are the major focus)	Required practical: Preparation of a pure dry	https://www.youtube.com/watch?v=9GH95172Js8&list=	https://www.bbc.co.uk/bitesize/guides/ztv2dxs/revision/1		https://members.gcsepod.com/shared/podcasts/title/125
	Required Practical: investigate what happens	https://www.youtube.com/watch?v=ukbtTTG1Kew&list=	https://www.bbc.co.uk/bitesize/guides/z9h9v9q/revision/		https://members.gcsepod.com/shared/podcasts/title/125
	Required Practical: Investigate the variables	https://www.youtube.com/watch?v=rdl7xEq4Ew8&list=P	https://www.bbc.co.uk/bitesize/guides/z2b2k2p/revision/		https://members.gcsepod.com/shared/podcasts/title/125
Physics Paper 1 Part 1	Energy changes in a system and stores	https://www.youtube.com/playlist?list=PL9louNCPbCxWMcAcCdzPXiherUiiXP2gE	https://www.bbc.co.uk/bitesize/guides/zskp7p3/revision/5	https://www.bbc.co.uk/bitesize/guides/zskp7p3/test	https://members.gcsepod.com/shared/podcasts/title/12567/77185
	Ways in which energy is transferred		https://www.bbc.co.uk/bitesize/guides/zy8g3k7/revision/1	https://www.bbc.co.uk/bitesize/guides/zy8g3k7/test	https://members.gcsepod.com/shared/podcasts/title/12567/77186
	Changes of state and the particle model of the 3 states of matter		https://www.bbc.co.uk/bitesize/guides/zwwfxfr/revision/1	https://www.bbc.co.uk/bitesize/guides/zwwfxfr/test	https://members.gcsepod.com/shared/podcasts/title/12567/77187
	Particle Model and Pressure		https://www.bbc.co.uk/bitesize/guides/z2xcfcw/revision/1	https://www.bbc.co.uk/bitesize/guides/z2xcfcw/test	https://members.gcsepod.com/shared/podcasts/title/12567/77188
	Atoms and Isotopes		https://www.bbc.co.uk/bitesize/guides/z964y4j/revision/1	https://www.bbc.co.uk/bitesize/guides/z964y4j/test	https://members.gcsepod.com/shared/podcasts/title/12567/77189
	Atomic decay and forms of radiation		https://www.bbc.co.uk/bitesize/guides/zxbnh39/revision/1	https://www.bbc.co.uk/bitesize/guides/zxbnh39/test	https://members.gcsepod.com/shared/podcasts/title/12567/77190

	Radioactive decay and it's half life		https://www.bbc.co.uk/bitesize/guides/zxbnh39/revision/2	https://www.bbc.co.uk/bitesize/guides/zxbnh39/test	https://members.gcsepod.com/shared/podcasts/title/12567/77191
Physics Paper 1 part 2	Required practical: Investigate to determine the specific heat capacity of a	https://www.youtube.com/watch?v=HAPmwu7byGM&list=PL9louNCPbCxUM3haKH	https://www.bbc.co.uk/bitesize/guides/zwwfxfr/revision/4		https://members.gcsepod.com/shared/podcasts/title/12567/77185
	Required Practical Use circuit diagrams to construct circuits to investigate the Current and potential difference chareacteristics (I-	https://www.youtube.com/watch?v=A1SyKvdHoqY&list=PL9louNCPbCxUM3haKHDGIF4AY_UimtCyN&index=3	https://www.bbc.co.uk/bitesize/guides/zgqv4qt/revision/5		https://members.gcsepod.com/shared/podcasts/title/12567/77185
Biology Paper 2 Part 1	Hormonal Control in Humans - Blood glucose	https://www.youtube.com/playlist?list=PL9louNCPbCxV_bPvRtuTbR6g85A3mpct	https://www.bbc.co.uk/bitesize/guides/zq4mk2p/revision/1	https://www.bbc.co.uk/bitesize/guides/zq4mk2p/test	https://members.gcsepod.com/shared/podcasts/title/10944/66887
	Hormonal Control in Humans - The menstrual cycle and testosterone		https://www.bbc.co.uk/bitesize/guides/zt2yxfr/revision/1	https://www.bbc.co.uk/bitesize/guides/zt2yxfr/test	https://members.gcsepod.com/shared/podcasts/title/10945/66975
	Organisation of an ecosystem		https://www.bbc.co.uk/bitesize/guides/zqskv9q/revision/1	https://www.bbc.co.uk/bitesize/guides/zqskv9q/test	https://members.gcsepod.com/shared/podcasts/title/10950/67032
	Biodiversity and the effect of human interaction on an ecosystem.		https://www.bbc.co.uk/bitesize/guides/z93mk2p/revision/1	https://www.bbc.co.uk/bitesize/guides/z93mk2p/test	https://members.gcsepod.com/shared/podcasts/title/10951/67027
Biology Paper 2 Part 2	Required practical: measure the population of a common	https://www.youtube.com/watch?v=yLHz2Ea10Mg&list=PL9louNCPbCxUM3haKH	https://www.bbc.co.uk/bitesize/guides/zqskv9q/revision/1		https://members.gcsepod.com/shared/podcasts/title/10952/67033
	Required practical: Use tansects to investigate the	https://www.youtube.com/watch?v=2MW6nwf80XM&list=PL9louNCPbCxUM3haKH	https://www.bbc.co.uk/bitesize/guides/zqskv9q/revision/1		https://members.gcsepod.com/shared/podcasts/title/10953/67034
Chemistry Paper 2 Part 1	Describe factors that Affect the rates of reactions	https://www.youtube.com/playlist?list=PL9louNCPbCxUGwSNNG2WSJEA3eoJ6ap0V	https://www.bbc.co.uk/bitesize/guides/zpkp7p3/revision/1	https://www.bbc.co.uk/bitesize/guides/zpkp7p3/test	https://members.gcsepod.com/shared/podcasts/title/12567/77185
	Describe reversible reactions and equilibrium		https://www.bbc.co.uk/bitesize/guides/z32bpbk/revision/1	https://www.bbc.co.uk/bitesize/guides/z32bpbk/test	https://members.gcsepod.com/shared/podcasts/title/12567/77186
	Carbon Compounds Alkanes and Alkenes		https://www.bbc.co.uk/bitesize/guides/zxd4y4j/revision/1	https://www.bbc.co.uk/bitesize/guides/zxd4y4j/test	https://members.gcsepod.com/shared/podcasts/title/12567/77187
	Purity, formulations and chromatogrpahy		https://www.bbc.co.uk/bitesize/guides/zp2wrwx/revision/1	https://www.bbc.co.uk/bitesize/guides/zp2wrwx/test	https://members.gcsepod.com/shared/podcasts/title/12567/77188
	The Earth's atmosphere and it's evolution		https://www.bbc.co.uk/bitesize/guides/z9pk3k7/revision/1	https://www.bbc.co.uk/bitesize/guides/z9pk3k7/test	https://members.gcsepod.com/shared/podcasts/title/12567/77189
	Using the Earth's resources		https://www.bbc.co.uk/bitesize/guides/zswfxfr/revision/1	https://www.bbc.co.uk/bitesize/guides/zswfxfr/test	https://members.gcsepod.com/shared/podcasts/title/12567/77190

	Making Potable Water		https://www.bbc.co.uk/bitesize/guides/zg6cfcw/revision/1	https://www.bbc.co.uk/bitesize/guides/zg6cfcw/test	https://members.gcsepod.com/shared/podcasts/title/12567/77191
	Reducing Use of Resources		https://www.bbc.co.uk/bitesize/guides/zwvq4qt/revision/1	https://www.bbc.co.uk/bitesize/guides/zwvq4qt/test	https://members.gcsepod.com/shared/podcasts/title/12567/77192
Chemistry Paper 2 Part 2	Required Practical: investigate how	https://www.youtube.com/watch?v=N5p06i9ilmo&list=PL9louNCPbCxXmYRj7CIRPeogyK04tWoml&index=6	https://www.bbc.co.uk/bitesize/guides/zp2wrrw/revision/1		https://members.gcsepod.com/shared/podcasts/title/12567/77192
	Required Practical: investigate how	https://www.youtube.com/watch?v=P8i4QYncQxl&list=PL9louNCPbCxXmYRj7CIRPeogyK04tWoml&index=6	https://www.bbc.co.uk/bitesize/guides/zp2wrrw/revision/1		https://members.gcsepod.com/shared/podcasts/title/12567/77192
Physics Paper 2 Part 1	Forces and their interactions	https://www.youtube.com/playlist?list=PL9louNCPbCxXmYRj7CIRPeogyK04tWoml&index=6	https://www.bbc.co.uk/bitesize/topics/ztmtv4	https://www.bbc.co.uk/bitesize/guides/zskn2nb/test	https://members.gcsepod.com/shared/podcasts/title/12567/77192
	Contact and Non-contact forces		https://www.bbc.co.uk/bitesize/guides/zcxcfw/revision/1	https://www.bbc.co.uk/bitesize/guides/zcxcfw/test	https://members.gcsepod.com/shared/podcasts/title/12567/77193
	Describing motion using speed, distance and time		https://www.bbc.co.uk/bitesize/guides/z2wy6yc/revision/1	https://www.bbc.co.uk/bitesize/guides/z2wy6yc/test	https://members.gcsepod.com/shared/podcasts/title/12567/77194
	Force and acceleration		https://www.bbc.co.uk/bitesize/guides/zgv797h/revision/1	https://www.bbc.co.uk/bitesize/guides/zgv797h/test	https://members.gcsepod.com/shared/podcasts/title/12567/77195
	Newtons Laws of motion		https://www.bbc.co.uk/bitesize/guides/zgv797h/revision/2	https://www.bbc.co.uk/bitesize/guides/zgv797h/test	https://members.gcsepod.com/shared/podcasts/title/12567/77196
	Momentum		https://www.bbc.co.uk/bitesize/guides/zc9bv9q/revision/1	https://www.bbc.co.uk/bitesize/guides/zc9bv9q/test	https://members.gcsepod.com/shared/podcasts/title/12567/77197
	The electromagnetic spectrum		https://www.bbc.co.uk/bitesize/guides/z3yq4qt/revision/1	https://www.bbc.co.uk/bitesize/guides/z3yq4qt/test	https://members.gcsepod.com/shared/podcasts/title/12567/77198
	The motor effect		https://www.bbc.co.uk/bitesize/guides/zg43y4j/revision/1	https://www.bbc.co.uk/bitesize/guides/zg43y4j/test	https://members.gcsepod.com/shared/podcasts/title/12567/77199
Physics Paper 2 part 2	Required Practical: investigate how the amount of infra-red radiation absorbed or reflected is dependent on the nature of a surface.	https://www.youtube.com/watch?v=eE7OPL7pesA&list=PL9louNCPbCxXmYRj7CIRPeogyK04tWoml&index=6	https://www.bbc.co.uk/bitesize/guides/z3yq4qt/revision/1		https://members.gcsepod.com/shared/podcasts/title/12567/77185
Handling Data	Interpreting data				
	Mode, mean (average), range and median	https://www.youtube.com/watch?v=gcUvR0yYL3c			
	Plotting data				
	Anomolies				

Required Practical	Variables in practical planning	https://www.youtube.com/watch?v=wYKwzVDB-N0&list=PL9louNCPbCxU3bKmUzQ4wvtRwS_n870G0			
	Random Errors	https://www.youtube.com/watch?v=tsL2_xr9xvc&list=PL9louNCPbCxU3bKmUzQ4wvtRwS_n870G0&index=2			
	Systematic errors	https://www.youtube.com/watch?v=YaPBif8NuYE&list=PL9louNCPbCxU3bKmUzQ4wvtRwS_n870G0&index=3			
	Precision	https://www.youtube.com/watch?v=eyc-_kBKsq4&list=PL9louNCPbCxU3bKmUzQ4wvtRwS_n870G0&index=4			
	Uncertainty	https://www.youtube.com/watch?v=Ukbn_ssJ02w&list=PL9louNCPbCxU3bKmUzQ4wvtRwS_n870G0&index=5			
	Repeatability and Reproducibility	https://www.youtube.com/watch?v=Rjop0ODjSmA&list=PL9louNCPbCxU3bKmUzQ4wvtRwS_n870G0&index=6			