Please use the checklists as well as websites below to revise the topics for this year.

https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7 - Biology

https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb - Chemistry

https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm - Physics

https://www.youtube.com/channel/UCBgvmal8AR4QIK2e0EfJwaA - Primrose Kitten

https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3_bw - Free science lessons

https://www.youtube.com/channel/UC-TM-z1-tmX1iK_H4SxVhww - Required practicals

https://www.aqa.org.uk/find-past-papers-and-mark-schemes - AQA past papers

Searching for "AQA separate science revision" will help you to find more resources

Y10 AQA GCSE BIOLOGY

Unit 3: Infection and response

	Communicable (infectious) disease	
	Viral diseases	
	Bacterial diseases	
	Fungal diseases	
Communicable diseases	Protist diseases	
	Human defence systems	
	Vaccination	
	Antibiotics and painkillers	
	Discovery and development of drugs	
Monoclonal antibodies	Producing monoclonal antibodies	
	Uses of monoclonal antibodies	
Plant disease	Detection and identification of plant diseases	
	Plant defence responses	

Unit 5: Homeostasis and response

Homeostasis	Homeostasis	
	Structure and function (The human nervous system for Trilogy)	
The human nervous system	The brain	
	The eye	
	Control of body temperature	
	Human endocrine system	
Hormonal coordination in humans	Control of blood glucose concentration	
Hormonal coordination in numans	Maintaining water and nitrogen balance in the body	
	Hormones in human reproduction	
	Contraception	
	The use of hormones to treat infertility	
	Negative feedback	
Plant hormones	Control and coordination	
	Use of plant hormones	

<u>Unit 7: Ecology</u>

Adaptations, interdependence and competition	Communities	
	Abiotic factors	
	Biotic factors	
	Adaptations	
	Levels of organisation	
Organisation of an ecosystem	How materials are cycles	
Organisation of an ecosystem	Decomposition	
	Impact of environmental change	
	Biodiversity	
	Waste management	
Biodiversity and the effect of	Land use	
human interaction on ecosystems	Deforestation	
	Global warming	
	Maintaining biodiversity	
	Trophic levels	
Trophic levels in an ecosystem	Pyramids of biomass	
	Transfer of biomass	
	Factors affecting food security	
Food production	Farming techniques	
Food production	Sustainable fisheries	
	Role of biotechnology	

Y10 - AQA GCSE CHEMISTRY

UNIT 3: Quantitative chemistry

Chemical measurements,	Conservation of mass and balanced chemical equations	
conservation of mass and the	Relative formula mass	
quantitative interpretation of	Mass changes when a reactant or product is a gas	
chemical equations	Chemical measurements	
	Moles	
Use of amount of substance in	Amounts of substances in equations	
relation to masses of pure	Using moles to balance equations	
substances	Limiting reactants	
	Concentration of solutions	
Yield and atom economy of	Percentage yield	
chemical reactions	Atom economy	
Using concentrations of solutions in mol/dm3	Using concentrations of solutions in mol/dm3	
Use of amount of substance in relation to volumes of gases	Use of amount of substance in relation to volumes of gases	

UNIT 4: Chemical changes

Depetivity of motols	Metal oxides	
	The reactivity series	
Reactivity of metals	Extraction of metals and reduction	
	Oxidation and reduction in terms of electrons	
	Reactions of acids with metals	
	Neutralisation of acids and salt production	
Reactions of acids	Soluble salts	
Reactions of acids	The pH scale and neutralisation	
	Titrations	
	Strong and weak acids	
	The process of electrolysis	
	Electrolysis of molten ionic compounds	
Electrolysis	Using electrolysis to extract metals	
	Electrolysis of aqueous solutions	
	Representation of reactions at electrodes as half	
	equations	

UNIT 8: Chemical analysis

Purity, formulation and chromatography	Pure substances	
	Formulations	
	Chromatography	
Identification of common gases	Test for hydrogen	
	Test for oxygen	
	Test for carbon dioxide	
	Test for chlorine	
	Flame tests	
	Metal hydroxides	
Identification of ions by chemical	Carbonates	
and spectroscopic means	Halides	
	Sulfates	
	Instrumental methods	
	Flame emissions spectroscopy	

Y10 AQA GCSE PHYSICS

Unit 4: Atomic structure

	The structure of an atom	
Atoms and isotopes	Mass number, atomic number and isotopes	
	The development of the model of the atom	
	Radioactive decay and nuclear radiation	
	Nuclear equations	
Atoms and nuclear radiation	Half-lives and the random nature of radioactive	
	decay	
	Radioactive contamination	
Hazards and uses of radioactive	Background radiation	
emissions and of background	Different half-lives of radioactive isotopes	
radiation	Uses of nuclear radiation	
Nuclear fission and fusion	Nuclear fission	
Nuclear fission and fusion	Nuclear fusion	

Forces and their interactions	Scalar and vector quantities	
	Contact and non-contact forces	
	Gravity	
	Resultant forces	
Work done and energy transfer	Work done and energy transfer	
Forces and elasticity	Forces and elasticity	
Moments, levers and gears	Moments, levers and gears	
	Pressure in a fluid	
Pressure and pressure differences	Pressure in a fluid 1	
in fluids	Pressure in a fluid 2	
	Atmospheric pressure	
	Describing motion along a line	
	Distance and displacement	
	Speed	
	Velocity	
	The distance-time relationship	
	Acceleration	
	Forces, accelerations and Newton's Laws of	
Forces and motion	motion	
Forces and monor	Newton's First Law	
	Newton's Second Law	
	Newton's Third Law	
	Forces and braking	
	Stopping distance	
	Reaction time	
	Factors affecting braking distance 1	
	Factors affecting braking distance 2	
	Momentum is a property of moving objects	
Momentum	Conservation of momentum	
	Changes in momentum	