

**AQA GCSE Science
exams in 2022**



DATE	TOPIC	Video link and subject area	Watched	Revised from book
	P1 Biology			
	4.1.2 Cell division	4.1.2.1 Chromosomes/4.1.2.2 Mitosis and the cell cycle https://www.youtube.com/watch?v=RHyZVmbiA78&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=8		
		4.1.2.3 Stem cells https://www.youtube.com/watch?v=X0GMp8oM_2E&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=7		
	4.2.2 Animal tissues, organs and organ systems	4.2.2.2 The heart and blood vessels https://www.youtube.com/watch?v=zU90AkcTJEs&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=22 https://www.youtube.com/watch?v=ALSQEs694qY&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=23		
		4.2.2.3 Blood https://www.youtube.com/watch?v=81w0BXg7QJA&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=24		
		4.2.2.4 Coronary heart disease: a non-communicable disease https://www.youtube.com/watch?v=UN5BIPfMUkg&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=25		
		4.2.2.5 Health issues https://www.youtube.com/watch?v=thAyrNpD77A&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=26		
		4.2.2.6 The effect of lifestyle on some non-communicable diseases https://www.youtube.com/watch?v=iy-47a68P60&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=27 https://www.youtube.com/watch?v=dbd5iydu3EY&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=31		
		4.2.2.7 Cancer https://www.youtube.com/watch?v=B5VHRKBI4PY&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=28		
		4.4.1 Photosynthesis	4.4.1.1 Photosynthetic reaction https://www.youtube.com/watch?v=X81OIkeuHJw&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=39	
	4.4.1.2 Rate of photosynthesis https://www.youtube.com/watch?v=J0KxRX3fyoI&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=40			
	Required practicals	Required practical activity 3: use qualitative reagents to test for a range of carbohydrates, lipids and proteins. To include: Benedict's test for sugars; iodine test for starch; and Biuret reagent for protein https://www.youtube.com/watch?v=SqWTJWOBww4		
		Required practical activity 4: investigate the effect of pH on the rate of reaction of amylase enzyme. https://www.youtube.com/watch?v=JyXXoewEWc8		
		Required practical activity 5: investigate the effect of light intensity on the rate of photosynthesis using an aquatic organism such as pondweed. https://www.youtube.com/watch?v=cBCKedXdFeE		
	P1 Chemistry			
		5.2.2.1 The three states of matter and https://www.youtube.com/watch?v=hkBrw2fG75U&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=21		

	5.2.2 How bonding and structure are related to the properties of substances	5.2.2.2 State symbols https://www.youtube.com/watch?v=h7ErVAZbeu0&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=22		
		5.2.2.3 Properties of ionic compounds https://www.youtube.com/watch?v=6DtrrWA5nkE&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=13 https://www.youtube.com/watch?v=kShflsvWbQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=14		
		5.2.2.4 Properties of small molecules https://www.youtube.com/watch?v=5I_1jRGSr9E&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=14 https://www.youtube.com/watch?v=d2ogZgGmMDY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=15		
		5.2.2.5 Polymers https://www.youtube.com/watch?v=EP0zfm_FVqc&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=18		
		5.2.2.6 Giant covalent structures https://www.youtube.com/watch?v=tGH0mXCcEFU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=16 https://www.youtube.com/watch?v=tGH0mXCcEFU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=17		
		5.2.2.7 Properties of metals and alloys/5.2.2.8 Metals as conductors https://www.youtube.com/watch?v=Rc2JBp91V7o&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=9 https://www.youtube.com/watch?v=b1y2Q6YX1bQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=19		
	5.3.2 Use of amount of substance in relation to masses of pure substances	5.3.2.1 Moles / 5.3.2.2 Amounts of substances in equations 5.3.2.3 Using moles to balance equations (HT only)/ https://www.youtube.com/watch?v=wPGVQu3UXpw&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=24		
		5.3.2.4 Limiting reactants (HT only) https://www.youtube.com/watch?v=TKDOyR7WKQQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=26		
		5.3.2.5 Concentration of solutions https://www.youtube.com/watch?v=kJBbu7_vYC8&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=26		
	5.4.1 Reactivity of metals	5.4.1.1 Metal oxides https://www.youtube.com/watch?v=gvNuMpxqG7Q		
		5.4.1.2 The reactivity series https://www.youtube.com/watch?v=2i5Lm7BMtpo&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=30		
		5.4.1.3 Extraction of metals and reduction https://www.youtube.com/watch?v=gvNuMpxqG7Q&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=31		
		5.4.1.4 Oxidation and reduction in terms of electrons (HT only) https://www.youtube.com/watch?v=jyvcVjrZnJA&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=32		
	5.4.2 Reactions of acids	5.4.2.1 Reactions of acids with metals https://www.youtube.com/watch?v=ofw6oHSYGF1 https://www.youtube.com/watch?v=vt8fB3MFzLk&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=27		
		5.4.2.2 Neutralisation of acids and salt production https://www.youtube.com/watch?v=IBjwMchUyBY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=29		
		5.4.2.3 Soluble salts https://www.youtube.com/watch?v=wmhOttrolrw		
		5.4.2.4 The pH scale and neutralisation		

		https://www.youtube.com/watch?v=pLiJ9Xuary4		
		5.4.2.5 Strong and weak acids (HT only) https://www.youtube.com/watch?v=_gYBbzqrmE&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=28		
	5.4.3 Electrolysis	5.4.3.1 The process of electrolysis https://www.youtube.com/watch?v=AhTRiL6xiBA		
		5.4.3.2 Electrolysis of molten ionic compounds https://www.youtube.com/watch?v=AhTRiL6xiBA https://www.youtube.com/watch?v=hOrGNTlN3sg&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=34		
		5.4.3.4 Electrolysis of aqueous solutions https://www.youtube.com/watch?v=GrgYXk_NCec&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=35		
		5.4.3.5 Representation of reactions at electrodes as half equations (HT only) https://www.youtube.com/watch?v=8xuNffjUrJU		
	5.5.1 Exothermic and endothermic reactions	5.5.1.1 Energy transfer during exothermic and endothermic reactions https://www.youtube.com/watch?v=dstRL5xB0Sk&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=36		
		5.5.1.2 Reaction profiles https://www.youtube.com/watch?v=4HS6D0hTzdg		
		5.5.1.3 The energy change of reactions (HT only) https://www.youtube.com/watch?v=it0HGxhxD-s&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=37		
	Required practicals	Required practical activity 8: preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate, using a Bunsen burner to heat dilute acid and a water bath or electric heater to evaporate the solution. https://www.youtube.com/watch?v=9GH95172Js8		
		Required practical activity 9: investigate what happens when aqueous solutions are electrolysed using inert electrodes. This should be an investigation involving developing a hypothesis. https://www.youtube.com/watch?v=ukbtTTG1Kew		
		Required practical activity 10: investigate the variables that affect temperature changes in reacting solutions such as, eg acid plus metals, acid plus carbonates, neutralisations, displacement of metals. https://www.youtube.com/watch?v=rDI7xEq4Ew8		
	P1 Physics			
	6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes	6.1.1.1 Energy stores and systems https://www.youtube.com/watch?v=JGwcDCeYRYo&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=1		
		6.1.1.2 Changes in energy https://www.youtube.com/watch?v=WrfCHt21kVA&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=2 https://www.youtube.com/watch?v=rNS-W7k0jts&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=3		
		6.1.1.3 Energy changes in systems https://www.youtube.com/watch?v=4rT7-5yE4pQ		
		6.1.1.4 Power https://www.youtube.com/watch?v=kCJUzdCBok0&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=7		
		6.2.4.1 Power https://www.youtube.com/watch?v=LOyJdl41aCU		

	6.2.4 Energy transfers	6.2.4.2 Energy transfers in everyday appliances https://www.youtube.com/watch?v=WAMyh1zVtyU		
		6.2.4.3 The National Grid https://www.youtube.com/watch?v=VTAFjhO1HNo&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=20		
	6.3.1 Changes of state and the particle model	6.3.1.1 Density of materials https://www.youtube.com/watch?v=pgGzVdau1Bw&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=28		
		6.3.1.2 Changes of state https://www.youtube.com/watch?v=OTksau0_Vol&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=26		
	6.3.3 Particle model and pressure	6.3.3.1 Particle motion in gases https://www.youtube.com/watch?v=9PwzPDJ7GYc&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=31 https://www.youtube.com/watch?v=-TjKWzZrDGk&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=31		
	6.4.1 Atoms and isotopes	6.4.1.1 The structure of an atom/6.4.1.2 Mass number, atomic number and isotopes https://www.youtube.com/playlist?list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7		
		6.4.1.3 The development of the model of the atom (common content with chemistry) https://www.youtube.com/watch?v=Q8y4x5EEIm8&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=32		
	6.4.2 Atoms and nuclear radiation	6.4.2.1 Radioactive decay and nuclear radiation https://www.youtube.com/watch?v=VeXpMijpazE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=34		
		6.4.2.2 Nuclear equations https://www.youtube.com/watch?v=CaYoDxWxww8&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=35		
		6.4.2.4 Radioactive contamination https://www.youtube.com/watch?v=Z4GV13xB00U&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=37		
	Required practical	Required practical activity 14: an investigation to determine the specific heat capacity of one or more materials. The investigation will involve linking the decrease of one energy store (or work done) to the increase in temperature and subsequent increase in thermal energy stored. https://www.youtube.com/watch?v=HAPmwu7byGM		
	You will need to cover basic electricity for these questions	Required practical activity 15: use circuit diagrams to set up and check appropriate circuits to investigate the factors affecting the resistance of electrical circuits. This should include: • the length of a wire at constant temperature • combinations of resistors in series and parallel. https://www.youtube.com/watch?v=YsZeZotYVag		
		Required practical activity 16: use circuit diagrams to construct appropriate circuits to investigate the I–V characteristics of a variety of circuit elements, including a filament lamp, a diode and a resistor at constant temperature https://www.youtube.com/watch?v=A1SyKvdHoqY		
	P2 Biology			
		4.5.3.1 Human endocrine system https://www.youtube.com/watch?v=XMsj-3qRVJM&list=PLidqqIGKox7X5UFT-expKIur-i-BN3Q1g&index=43		

4.5.3 Hormonal control in humans	https://www.youtube.com/watch?v=BvpPCn1rsw&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=45		
	4.5.3.2 Control of blood glucose concentration https://www.youtube.com/watch?v=OhrX3X3LGzI&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=46		
	4.5.3.2 Control of blood glucose concentration- diabetes https://www.youtube.com/watch?v=bFnO8Uc9gjQ&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=47		
	4.5.3.3 Hormones in human reproduction https://www.youtube.com/watch?v=Gf_WLrXAqIA&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=48		
	IVF https://www.youtube.com/watch?v=fOfFr9Q0WWA&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=50		
4.7.2 Organisation of an ecosystem	4.7.2.1 Levels of organisation https://www.youtube.com/watch?v=NFTSm3D2xrM&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=66		
	4.7.2.2 How materials are cycled Cycling materials https://www.youtube.com/watch?v=urzpnjwazV0&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=67		
4.7.3 Biodiversity and the effect of human interaction on an ecosystem	4.7.3.1 Biodiversity https://www.youtube.com/watch?v=I5UR9uMeWuQ		
	4.7.3.2 Waste management https://www.youtube.com/watch?v=1Z405uGDZGo		
	4.7.3.5 Global warming https://www.youtube.com/watch?v=lkqobb34oLI&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=69		
	4.7.3.6 Maintaining biodiversity https://www.youtube.com/watch?v=bs9e6ovlSbs&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=71		
Required practical	Required practical activity 7: sampling techniques https://www.youtube.com/watch?v=yLHz2Ea10Mg		
P2 Chemistry			
5.6.1 Rate of reaction	5.6.1.1 Calculating rates of reactions https://www.youtube.com/watch?v=SPXanyy3-hU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=38		
	5.6.1.2 Factors which affect the rates of chemical reactions https://www.youtube.com/watch?v=-4HXaUBbv04&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=41 https://www.youtube.com/watch?v=GCR5xeduq2o&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=40		
	5.6.1.3 Collision theory and activation energy https://www.youtube.com/watch?v=u4Co4N-Jmbs		
	5.6.1.4 Catalysts https://www.youtube.com/watch?v=hel8fQjxcO8		

	5.6.2 Reversible reactions and dynamic equilibrium	5.6.2.1 Reversible reactions https://www.youtube.com/watch?v=ty9TczsW5ew&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=41		
		5.6.2.2 Energy changes and reversible reactions https://www.youtube.com/watch?v=SI5m0RQgik https://www.youtube.com/watch?v=66qcNNJFy6E https://www.youtube.com/watch?v=NA4u2qUGH0w		
		5.6.2.4 The effect of changing conditions on equilibrium (HT only) https://www.youtube.com/watch?v=IYoncESnmQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=43		
		5.6.2.6 The effect of temperature changes on equilibrium (HT only) https://www.youtube.com/watch?v=SI5m0RQgik		
		5.6.2.7 The effect of pressure changes on equilibrium (HT only) https://www.youtube.com/watch?v=hngzmRrAXTE		
	5.7.1 Carbon compounds as fuels and feedstock	5.7.1.1 Crude oil, hydrocarbons and alkanes https://www.youtube.com/watch?v=ykIFtTjoso&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=43		
		5.7.1.2 Fractional distillation and petrochemicals https://www.youtube.com/watch?v=CjmriZq5xRo&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=45		
		5.7.1.3 Properties of hydrocarbons https://www.youtube.com/watch?v=4EAh9E2KhOE		
		5.7.1.4 Cracking and alkenes https://www.youtube.com/watch?v=bOiYLKX9ZRY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=46		
	5.8.1 Purity, formulations and chromatography	5.8.1.1 Pure substances https://www.youtube.com/watch?v=-OtJI-R-4rU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=47		
		5.8.1.2 Formulations https://www.youtube.com/watch?v=-OtJI-R-4rU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=47		
		5.8.1.3 Chromatography https://www.youtube.com/watch?v=TdJ57SQ6GAQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=48		
	5.9.1 The composition and evolution of the Earth's atmosphere	5.9.1.1 The proportions of different gases in the atmosphere https://www.youtube.com/watch?v=t1Z3GINldLA		
		5.9.1.2 The Earth's early atmosphere https://www.youtube.com/watch?v=TdJ57SQ6GAQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=48		
		5.9.1.3 How oxygen increased		
		5.9.1.4 How carbon dioxide decreased		
	5.10.1 Using the Earth's resources and obtaining potable water	5.10.1.1 Using the Earth's resources and sustainable development https://www.youtube.com/watch?v=1UQnUQR0tTo		
		5.10.1.2 Potable water https://www.youtube.com/watch?v=PDeiRIQvWnM&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=56		
		5.10.1.3 Waste water treatment https://www.youtube.com/watch?v=jLaeBykDwaM&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=57		

		5.10.1.4 Alternative methods of extracting metals (HT only) https://www.youtube.com/watch?v=b5RVPauf4oM		
	Required practicals	Required practical activity 11: investigate how changes in concentration affect the rates of reactions by a method involving measuring the volume of a gas produced and a method involving a change in colour or turbidity. https://www.youtube.com/watch?v=N5p06i9ilmo		
		Required practical activity 12: investigate how paper chromatography can be used to separate and tell the difference between coloured substances. Students should calculate R _f values. https://www.youtube.com/watch?v=P8i4QYncQxl		
	P2 Physics			
	6.5.1 Forces and their interactions	6.5.1.1 Scalar and vector quantities https://www.youtube.com/watch?v=iLB_4Wu2QOg&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=42		
		6.5.1.2 Contact and non-contact forces https://www.youtube.com/watch?v=WCPTKRascgE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=41		
		6.5.1.3 Gravity https://www.youtube.com/watch?v=W2aBVbcHr_k		
		6.5.1.4 Resultant forces https://www.youtube.com/watch?v=YGGxf6cp3Lo&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=43		
	6.5.4.1 Describing motion along a line	6.5.4.1.1 Distance and displacement		
		6.5.4.1.2 Speed		
		6.5.4.1.3 Velocity https://www.youtube.com/watch?v=U8z8WFhOQ_Y&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=45 https://www.youtube.com/watch?v=QaU9jMHh7gE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=52		
		6.5.4.1.4 The distance–time relationship https://www.youtube.com/watch?v=RM02SnuJ0MY&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=54 https://www.youtube.com/watch?v=b0VKlpetP9A&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=55		
		6.5.4.1.5 Acceleration https://www.youtube.com/watch?v=RM02SnuJ0MY&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=54		
		6.5.4.2 Forces, accelerations and Newton's Laws of motion	6.5.4.2.1 Newton's First Law	
		6.5.4.2.2 Newton's Second Law https://www.youtube.com/watch?v=i5PtaCJJFjw&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=57		
		6.5.4.2.3 Newton's Third Law https://www.youtube.com/watch?v=DpQ_ikFKru0&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=58		
	6.5.5 Momentum (HT only)	6.5.5.1 Momentum is a property of moving objects https://www.youtube.com/watch?v=ZU6rJQTz7FI&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=61		
		6.5.5.2 Conservation of momentum https://www.youtube.com/watch?v=F8DnNqBhUFQ&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=60		

	6.6.2 Electromagnetic waves	6.6.2.1 Types of electromagnetic waves https://www.youtube.com/watch?v=7v2gs8rdQzU&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=65		
		6.6.2.2 Properties of electromagnetic waves 1 https://www.youtube.com/watch?v=JNp_-00-fxU&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=71		
		6.6.2.3 Properties of electromagnetic waves 2 6.6.2.4 Uses and applications of electromagnetic waves		
		https://www.youtube.com/watch?v=Ldnh0XIMVc0&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=66 https://www.youtube.com/watch?v=dBFGjdgbpno&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=69 https://www.youtube.com/watch?v=ow26-5UirSc&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=67 https://www.youtube.com/watch?v=q_CxKQC-zpg&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=68		
	6.7.2 The motor effect	6.7.2.1 Electromagnetism https://www.youtube.com/watch?v=79_SF5AZtzo&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=79		
		6.7.2.2 Fleming's left-hand rule (HT only) https://www.youtube.com/watch?v=GNLhSKZh-jM		
		6.7.2.3 Electric motors (HT only) https://www.youtube.com/watch?v=ltpPhpi-CC4&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=80 https://www.youtube.com/watch?v=evWpDrRAYCc&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=81		
	Required practicals	Required practical activity 21: investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of that surface. https://www.youtube.com/watch?v=eE7OPL7pesA		

Summer 2022 GCSE Science Trilogy Revision List- Foundation

*this revision list covers the major content of the exams you may be required to understand other contexts in a small amount e.g. the structure of an atom or electricity.

DATE	TOPIC	Video link and subject area	Watched	Revised from book
	P1 Biology			
	4.1.2 Cell division	4.1.2.1 Chromosomes/4.1.2.2 Mitosis and the cell cycle https://www.youtube.com/watch?v=RHyZVmbiA78&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=8		
		4.1.2.3 Stem cells https://www.youtube.com/watch?v=X0GMp8oM_2E&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=7		
	4.2.2 Animal tissues, organs and organ systems	4.2.2.2 The heart and blood vessels https://www.youtube.com/watch?v=zU90AkcTJEs&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=22 https://www.youtube.com/watch?v=AISQEs694qY&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=23		
		4.2.2.3 Blood https://www.youtube.com/watch?v=81w0BXg7QJA&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=24		
		4.2.2.4 Coronary heart disease: a non-communicable disease https://www.youtube.com/watch?v=UN5BIPfMUkg&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=25		
		4.2.2.5 Health issues https://www.youtube.com/watch?v=thAyrNpD77A&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=26		
		4.2.2.6 The effect of lifestyle on some non-communicable diseases https://www.youtube.com/watch?v=iy-47a68P60&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=27 https://www.youtube.com/watch?v=dbd5iydu3EY&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=31		
		4.2.2.7 Cancer https://www.youtube.com/watch?v=B5VHRKBI4PY&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=28		
	4.3.1 Communicable diseases	4.3.1.1 Communicable (infectious) diseases		
		4.3.1.2 Viral diseases		
		4.3.1.3 Bacterial diseases		
		4.3.1.4 Fungal diseases		
		4.3.1.5 Protist diseases		
		4.3.1.6 Human defence systems		
		4.3.1.7 Vaccination		
		4.3.1.8 Antibiotics and painkillers		

		4.3.1.9 Discovery and development of drugs		
	4.4.1 Photosynthesis	4.4.1.1 Photosynthetic reaction https://www.youtube.com/watch?v=X81OIkeuHJw&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=39		
		4.4.1.2 Rate of photosynthesis https://www.youtube.com/watch?v=J0KxRX3fyoI&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=40		
	Required practicals	Required practical activity 1: use a light microscope to observe, draw and label a selection of plant and animal cells. A magnification scale must be included. https://www.youtube.com/watch?v=jBVxo5T-ZQM		
		Required practical activity 3: use qualitative reagents to test for a range of carbohydrates, lipids and proteins. To include: Benedict's test for sugars; iodine test for starch; and Biuret reagent for protein https://www.youtube.com/watch?v=SqWTJWOBww4		
		Required practical activity 5: investigate the effect of light intensity on the rate of photosynthesis using an aquatic organism such as pondweed. https://www.youtube.com/watch?v=cBCKedXdFeE		
	P1 Chemistry			
	5.1.2 the periodic table	5.1.2.1 The periodic table		
		5.1.2.2 Development of the periodic table		
		5.1.2.3 Metals and non-metals		
		5.1.2.4 Group 0		
		5.1.2.5 Group 1		
		5.1.2.6 Group 7		
	5.2.2 How bonding and structure are related to the properties of substances	5.2.2.1 The three states of matter and https://www.youtube.com/watch?v=hkBrw2fG75U&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=21		
		5.2.2.2 State symbols https://www.youtube.com/watch?v=h7ErVAZbeu0&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=22		
		5.2.2.3 Properties of ionic compounds https://www.youtube.com/watch?v=6DtrrWASnKE&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=13 https://www.youtube.com/watch?v=kShlfsvWbQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=14		
		5.2.2.4 Properties of small molecules https://www.youtube.com/watch?v=5I_1jRGSr9E&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=14 https://www.youtube.com/watch?v=d2ogZgGmMDY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=15		
		5.2.2.5 Polymers https://www.youtube.com/watch?v=EP0zfm_FVqc&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=18		

		5.2.2.6 Giant covalent structures https://www.youtube.com/watch?v=tGH0mXCcEFU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=16 https://www.youtube.com/watch?v=tGH0mXCcEFU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=17		
		5.2.2.7 Properties of metals and alloys/5.2.2.8 Metals as conductors https://www.youtube.com/watch?v=Rc2JBp91V7o&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=9 https://www.youtube.com/watch?v=b1y2Q6YX1bQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=19		
	5.2.3 Structure and bonding of carbon	5.2.3.1 Diamond		
		5.2.3.2 Graphite		
		5.2.3.2 Graphite		
	5.4.1 Reactivity of metals	5.4.1.1 Metal oxides https://www.youtube.com/watch?v=gvNuMpxqG7Q		
		5.4.1.2 The reactivity series https://www.youtube.com/watch?v=2i5Lm7BMtpo&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=30		
		5.4.1.3 Extraction of metals and reduction https://www.youtube.com/watch?v=gvNuMpxqG7Q&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=31		
		5.4.1.4 Oxidation and reduction in terms of electrons (HT only) https://www.youtube.com/watch?v=jyvcVjrZnJA&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=32		
	5.4.2 Reactions of acids	5.4.2.1 Reactions of acids with metals https://www.youtube.com/watch?v=ofw6oHSYGF1 https://www.youtube.com/watch?v=vt8fB3MFzLk&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=27		
		5.4.2.2 Neutralisation of acids and salt production https://www.youtube.com/watch?v=IBjwMchUyBY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=29		
		5.4.2.3 Soluble salts https://www.youtube.com/watch?v=wmhOttrolrw		
		5.4.2.4 The pH scale and neutralisation https://www.youtube.com/watch?v=pLiJ9Xuary4		
		5.4.2.5 Strong and weak acids (HT only) https://www.youtube.com/watch?v=_gYBbzqrmE&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=28		
	5.4.3 Electrolysis	5.4.3.1 The process of electrolysis https://www.youtube.com/watch?v=AhTRiL6xiBA		
		5.4.3.2 Electrolysis of molten ionic compounds https://www.youtube.com/watch?v=AhTRiL6xiBA https://www.youtube.com/watch?v=hOrGNtIN3sg&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=34		
		5.4.3.4 Electrolysis of aqueous solutions https://www.youtube.com/watch?v=GrgYXk_NCec&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=35		

		5.4.3.5 Representation of reactions at electrodes as half equations (HT only) https://www.youtube.com/watch?v=8xuNffiUrJU		
	Required practicals	Required practical activity 8: preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate, using a Bunsen burner to heat dilute acid and a water bath or electric heater to evaporate the solution. https://www.youtube.com/watch?v=9GH95172Js8		
		Required practical activity 9: investigate what happens when aqueous solutions are electrolysed using inert electrodes. This should be an investigation involving developing a hypothesis. https://www.youtube.com/watch?v=ukbtTTG1Kew		
		5.5.1.1 Energy transfer during exothermic and endothermic reactions https://www.youtube.com/watch?v=dstRL5xB0Sk&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=36 Required practical activity 10: investigate the variables that affect temperature changes in reacting solutions such as, eg acid plus metals, acid plus carbonates, neutralisations, displacement of metals. https://www.youtube.com/watch?v=rdl7xEq4Ew8		
	P1 Physics			
	6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes	6.1.1.1 Energy stores and systems https://www.youtube.com/watch?v=JGwDCeYRYo&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=1		
		6.1.1.2 Changes in energy https://www.youtube.com/watch?v=WrfCHt21kVA&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=2 https://www.youtube.com/watch?v=rNS-W7k0jts&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=3		
		6.1.1.3 Energy changes in systems https://www.youtube.com/watch?v=4rT7-5yE4pQ		
		6.1.1.4 Power https://www.youtube.com/watch?v=kCJUzdB0k0&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=7		
	6.1.3	National and global energy resources		
	6.2.1 Current, potential difference and resistance	6.2.1.1 Standard circuit diagram symbols		
		6.2.1.2 Electrical charge and current		
		6.2.1.3 Current, resistance and potential difference		
		6.2.1.4 Resistors		
	6.3.1 Changes of state and the particle model	6.3.1.1 Density of materials https://www.youtube.com/watch?v=pgGzVdau1Bw&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=28		
		6.3.1.2 Changes of state https://www.youtube.com/watch?v=OTksau0_Vol&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=26		
		6.4.2.1 Radioactive decay and nuclear radiation https://www.youtube.com/watch?v=VeXpMijpazE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=34		

	6.4.2 Atoms and nuclear radiation	6.4.2.2 Nuclear equations https://www.youtube.com/watch?v=CaYoDxWxww8&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=35		
		6.4.2.4 Radioactive contamination https://www.youtube.com/watch?v=Z4GV13xB00U&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=37		
	Required practical	Required practical activity 14: an investigation to determine the specific heat capacity of one or more materials. The investigation will involve linking the decrease of one energy store (or work done) to the increase in temperature and subsequent increase in thermal energy stored. https://www.youtube.com/watch?v=HAPmwu7byGM		
		Required practical activity 16: use circuit diagrams to construct appropriate circuits to investigate the I–V characteristics of a variety of circuit elements, including a filament lamp, a diode and a resistor at constant temperature https://www.youtube.com/watch?v=A1SyKvdHoqY		
	P2 Biology			
	4.5.3 Hormonal control in humans	4.5.3.1 Human endocrine system https://www.youtube.com/watch?v=XMsj-3qRVJM&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=43		
		https://www.youtube.com/watch?v=BvpPCn1rsw&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=45		
		4.5.3.2 Control of blood glucose concentration https://www.youtube.com/watch?v=OhrX3X3LGzI&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=46		
		4.5.3.2 Control of blood glucose concentration- diabetes https://www.youtube.com/watch?v=bFnO8Uc9gjQ&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=47		
		4.5.3.3 Hormones in human reproduction https://www.youtube.com/watch?v=Gf_WLrXAqIA&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=48		
		IVF https://www.youtube.com/watch?v=fOfFr9Q0WWA&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=50		
	4.6.1 Reproduction	4.6.1.1 Sexual and asexual reproduction https://www.youtube.com/watch?v=LgLkt02HI9s&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=52		
		4.6.1.2 Meiosis		
		4.6.1.3 DNA and the genome		
		4.6.1.4 Genetic inheritance		

		4.6.1.5 Inherited disorders		
		4.6.1.6 Sex determination		
	4.7.1 Adaptations, interdependence and competition	4.7.1.1 Communities		
		4.7.1.2 Abiotic factors		
		4.7.1.3 Biotic factors		
		4.7.1.4 Adaptations		
	4.7.2 Organisation of an ecosystem	4.7.2.1 Levels of organisation https://www.youtube.com/watch?v=NFTSm3D2xrM&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=66		
		4.7.2.2 How materials are cycled Cycling materials https://www.youtube.com/watch?v=urzpnjwazV0&list=PLidqqIGKox7X5UFT-expKluR-i-BN3Q1g&index=67		
	Required practical	Required practical activity 7: sampling techniques https://www.youtube.com/watch?v=yLHz2Ea10Mg		
	P2 Chemistry			
	5.6.1 Rate of reaction	5.6.1.1 Calculating rates of reactions https://www.youtube.com/watch?v=SPXanyy3-hU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=38		
		5.6.1.2 Factors which affect the rates of chemical reactions https://www.youtube.com/watch?v=-4HXaUBbv04&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=41 https://www.youtube.com/watch?v=GCR5xeduq2o&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=40		
		5.6.1.3 Collision theory and activation energy https://www.youtube.com/watch?v=u4Co4N-Jmbs		
		5.6.1.4 Catalysts https://www.youtube.com/watch?v=hel8fQjxcO8		
	5.6.2 Reversible reactions and dynamic equilibrium	5.6.2.1 Reversible reactions https://www.youtube.com/watch?v=ty9TczsW5ew&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=41		
		5.6.2.2 Energy changes and reversible reactions https://www.youtube.com/watch?v=SI15m0RQgik https://www.youtube.com/watch?v=66qcNNJFy6E https://www.youtube.com/watch?v=NA4u2qUGH0w		
		5.6.2.4 The effect of changing conditions on equilibrium (HT only) https://www.youtube.com/watch?v=IYonCESnmQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKI8W&index=43		
		5.6.2.6 The effect of temperature changes on equilibrium (HT only) https://www.youtube.com/watch?v=SI15m0RQgik		
		5.6.2.7 The effect of pressure changes on equilibrium (HT only) https://www.youtube.com/watch?v=hngzmRrAXTE		

	5.7.1 Carbon compounds as fuels and feedstock	5.7.1.1 Crude oil, hydrocarbons and alkanes https://www.youtube.com/watch?v=ykIFtTjoso&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=43		
		5.7.1.2 Fractional distillation and petrochemicals https://www.youtube.com/watch?v=CjmriZq5xRo&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=45		
		5.7.1.3 Properties of hydrocarbons https://www.youtube.com/watch?v=4EAh9E2KhOE		
		5.7.1.4 Cracking and alkenes https://www.youtube.com/watch?v=bOiYLKX9ZRY&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=46		
	5.8.1 Purity, formulations and chromatography	5.8.1.1 Pure substances https://www.youtube.com/watch?v=-OtJI-R-4rU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=47		
		5.8.1.2 Formulations https://www.youtube.com/watch?v=-OtJI-R-4rU&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=47		
		5.8.1.3 Chromatography https://www.youtube.com/watch?v=TdJ57SQ6GAQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=48		
	5.9.1 The composition and evolution of the Earth's atmosphere	5.9.1.1 The proportions of different gases in the atmosphere https://www.youtube.com/watch?v=t1Z3GINldLA		
		5.9.1.2 The Earth's early atmosphere https://www.youtube.com/watch?v=TdJ57SQ6GAQ&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=48		
		5.9.1.3 How oxygen increased		
		5.9.1.4 How carbon dioxide decreased		
	5.9.3 Common atmospheric pollutants and their sources	5.9.3.1 Atmospheric pollutants from fuels		
		5.9.3.2 Properties and effects of atmospheric pollutants		
	5.10.1 Using the Earth's resources and obtaining potable water	5.10.1.1 Using the Earth's resources and sustainable development https://www.youtube.com/watch?v=1UQnUQR0tTo		
		5.10.1.2 Potable water https://www.youtube.com/watch?v=PDeiRIQvWnM&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=56		
		5.10.1.3 Waste water treatment https://www.youtube.com/watch?v=jLaeBykDwaM&list=PLidqqIGKox7WeOKVGHxcd69kKqtwrKl8W&index=57		
		5.10.1.4 Alternative methods of extracting metals (HT only) https://www.youtube.com/watch?v=b5RVPauf4oM		
	Required practicals	Required practical activity 11: investigate how changes in concentration affect the rates of reactions by a method involving measuring the volume of a gas produced and a method involving a change in colour or turbidity. https://www.youtube.com/watch?v=N5p06i9ilmo		
		Required practical activity 12: investigate how paper chromatography can be used to separate and tell the difference between coloured substances. Students should calculate R _f values. https://www.youtube.com/watch?v=P8i4QYncQxl		

	P2 Physics			
	6.5.1 Forces and their interactions	6.5.1.1 Scalar and vector quantities https://www.youtube.com/watch?v=iLB_4Wu2QOg&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=42		
		6.5.1.2 Contact and non-contact forces https://www.youtube.com/watch?v=WCPTKRascgE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=41		
		6.5.1.3 Gravity https://www.youtube.com/watch?v=W2aBVbcHr_k		
		6.5.1.4 Resultant forces https://www.youtube.com/watch?v=YGGxf6cp3Lo&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=43		
	6.5.4.1 Describing motion along a line	6.5.4.1.1 Distance and displacement		
		6.5.4.1.2 Speed		
		6.5.4.1.3 Velocity https://www.youtube.com/watch?v=U8z8WFhOQ_Y&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=45 https://www.youtube.com/watch?v=QaU9jMHh7gE&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=52		
		6.5.4.1.4 The distance–time relationship https://www.youtube.com/watch?v=RM02SnuJOMY&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=54 https://www.youtube.com/watch?v=b0VKIpetP9A&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=55		
		6.5.4.1.5 Acceleration https://www.youtube.com/watch?v=RM02SnuJOMY&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=54		
		6.5.4.2 Forces, accelerations and Newton's Laws of motion	6.5.4.2.1 Newton's First Law	
	6.5.4.2.2 Newton's Second Law https://www.youtube.com/watch?v=i5PtaCJJfjw&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=57			
	6.5.4.2.3 Newton's Third Law https://www.youtube.com/watch?v=DpQ_ikFKru0&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=58			
	6.5.4.3 Forces and braking	6.5.4.3.1 Stopping distance		
		6.5.4.3.2 Reaction time		
		6.5.4.3.3 Factors affecting braking distance 1		
		6.5.4.3.3 Factors affecting braking distance 2		
	6.6.2 Electromagnetic waves	6.6.2.1 Types of electromagnetic waves https://www.youtube.com/watch?v=7v2gs8rdQzU&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=65		
		6.6.2.2 Properties of electromagnetic waves 1 https://www.youtube.com/watch?v=JNp_-00-fxU&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=71		
		6.6.2.3 Properties of electromagnetic waves 2		
		6.6.2.4 Uses and applications of electromagnetic waves		

		https://www.youtube.com/watch?v=Ldnh0XIMVc0&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=66 https://www.youtube.com/watch?v=dBFGjdgbpno&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=69 https://www.youtube.com/watch?v=ow26-5UirSc&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=67 https://www.youtube.com/watch?v=q_CxKQC-zpg&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=68		
	6.7.1 Permanent and induced magnetism, magnetic forces and fields	6.7.1.1 Poles of a magnet		
		6.7.1.2 Magnetic fields		
	6.7.2 The motor effect	6.7.2.1 Electromagnetism https://www.youtube.com/watch?v=79_SF5AZtzo&list=PLidqqIGKox7UVC-8WC9djoeBzwxPeXph7&index=79		
	Required practicals	Required practical activity 21: investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of that surface. https://www.youtube.com/watch?v=eE7OPL7pesA		