

YEAR 10 PPE (ROUND 1)
TOPICS AND SKILLS TO REVISE
18th April- 29th April 2022

Subject	Do I study this subject?	Name of Paper or Unit	Length of Paper	Things to revise	✓
Art		AO4 (this will be done outside of the PPE timetable)	One day*	Please see your Art teacher for specifics	
Business and Enterprise		Unit 1 Introduction to Business and Enterprise	1 hour 30 min	Being an entrepreneur	
				Business aims & objectives	
				Legal business structures	
				Organisational structures	
				Stakeholder engagement	
				Market research & markets	
				Customer service	
				Marketing - 4 P's	
				Operations management	
				External influences	
Challenges of growth (external)					
Computer Science		Computer Systems	1 hour 30 min	CPU Architecture	
				Von Neumann Architecture	
				Embedded Systems	
				Primary Storage (RAM & ROM)	
				CPU Components & Functions	
				CPU Performance	
				Types of Networks	
				Network Performance	
				Network Hardware	
				Client-Server & peer-to-peer network	
				Star & Mesh Network Typologies	
				Modes of Connection	
				IP and MAC Addressing	
Network Standards					
Network Protocols					
Design Technology		Principals of Design and Technology	2hr	Social and ethical issues when manufacturing products	
				Characteristics uses of materials (metals, plastics, timber, manufactured boards and fabric)	
				Measuring/calculating angles	
				Calculating profit	
				Converting measurements	
				Orthographic projection	
				Mechanisms (Gears and cogs)	
				Composite materials	
				Importance of marketing and branding	
				Renewable energy	
				Ergonomics and anthropometrics	
Scale of production					
Paper, card and board					
English Language		Paper 2	45 min	Section B: Opinion Writing	
				Persuasive techniques	
				Use of vocabulary	
English Literature		Paper 1- An Inspector Calls	45 min	Structuring writing	
				Language analysis	
				Structure Analysis	
				Context and writer's intention	
Film Studies		Component 2, 2/3 of exam	1 hr	Dramatic Analysis	
				Attack the Block	
				Lighting	
				Aesthetic	
				Slumdog Millionaire	
Narrative					
Context					

Subject	Do I study this subject?	Name of Paper or Unit	Length of Paper	Things to revise	✓		
French		Paper 1 Listening (all Themes - 1-3)	35min (F) 45min (H)	Theme 1:			
				Me, my family + Friends, Relationships with family and friends, Marriage/partnership			
						Technology, social media	
		Paper 2 - Speaking (all Themes - 1-3)	20min (F) 20min (H)	Music, Cinema, TV, Food, Eating Out, Sport			
				Customs and Festivals in Spanish-speaking countries			
		Paper 3 - Reading (all Themes - 1-3)	45min (F) 1hr (H)	Theme 2:			
				Holidays			
				Town, neighbourhood and region			
Paper 4 - Writing (all Themes - 1-3)	1hr 5 min (F) 1hr 20 (H)	Social Issues (charity/volunteer work, healthy/unhealthy living)					
		Global Issues					
		Theme 3:					
		School - my life at school/my studies					
				Future Ambitions - Education Post-16, Jobs + Ambitions			
Geography		Paper 1 (without rivers)	1 hr 15 min	Tectonic hazards (earthquakes in Nepal and Chile)			
				Tropical storms (Typhoon Haiyan)			
				Weather hazards in the UK (Beast from the East)			
				Tropical rainforests (Amazon)			
				Hot deserts (Western Desert - Las Vegas)			
				Coastal landscapes in the UK (Holderness coast)			
Health & Social Care		RO21	1 hr	LO1-Rights of the individual and why it is important to maintain those rights (CCCPE, PIES)			
				LO2- Values of care in health and social care settings, early years settings and why it is important to maintain them.			
				LO3: Legislation (Equality Act 2010, Health and Safety at Work Act 1974, Data Protection Act 2018, Mental Health Act 2007, Children Act 2004) and how it may impact different settings			
				LO4-Person hygiene, safety and security measures used in Health, Social Care and Early years settings and how they protect service users/ providers/ care givers			
History		Paper 1: Medicine in Britain	1hr	Medieval Medicine			
				The Four Humours and Theory of Opposities			
				The Role of the church			
				Medieval treatment			
				The Black Death			
				Renaissance Medicine			
				Anatomy - Vesalius and Harvey			
				Thomas Sydenham			
				Renaissance treatment and prevention			
				The Great Plague			
				Medicine 1700-1900			
				Germ Theory - Pasteur and Koch			
		Cholera - John Snow					
		Surgery - Lister and Simpson					
		Hospitals and nursing - Nightingale					
		The Public Health Acts					
		Modern Medicine					
		Causes - DNA, lifestyle factors					
		Treatment - Magic bullets, antibiotics, NHS, Modern surgery					
		Prevention - Vaccination, Screening					
		Paper 3 - The USA conflict at Home and Abroad	1hr	The Growth of the Civil Rights movement King's non-violent campaigns			
				Montgomery			
				Birmingham			
				March on Washington			
Selma							
Chicago							
Changes to Education							
The Brown decision and Little Rock Student protest							
Sit ins							
Freedom Summer							
Freedom Rides							
The Role of the Government							
The Supreme Court							
Civil Rights & Voting Rights Acts							
IT		R013: Developing technological solutions Practical Exam (Requires the use of Computers)	1hr 30 min	Database Development using Access and Spreadsheet			
				User Requirement			
				Review			

Subject	Do I study this subject?	Name of Paper or Unit	Length of Paper	Things to revise	✓
Maths		Paper 1 (Non-Calculator) Your teachers will give you a more detailed breakdown of topics in your lesson.	1 hr 30 min	Number	
				Algebra	
				Ratio, Proportion and Rates of Change	
				Geometry and Measures	
				Probability	
		Paper 2 (Calculator) Your teachers will give you a more detailed breakdown of topics in your lesson.	1 hr 30	Statistics	
				Number	
				Algebra	
				Ratio, Proportion and Rates of Change	
				Geometry and Measures	
Music		Listening and Appraising	1 hr 30min	Probability	
				Statistics	
				Concerto through time	
				Rhythms of the world	
Combined Science Biology		Paper 1	1hr 15min	Film Music	
				Pop Music.	
				Cell Biology	
				Parts of cells	
				Cell organelles and functions	
				Prokaryotes and Eukaryotes	
				Cell division	
				Surface area	
				Volume ratio	
				Cell specialisation	
				Stem cells	
				Diffusion	
				osmosis	
				Active Transport	
				Exchange surfaces	
				Digestive system	
				Enzymes in digestion	
				Food tests	
				Blood	
				Blood vessels	
				the heart	
				Breathing and gas exchange	
				Transport systems in plants	
				factors affecting transpiration	
				Communicable diseases	
				Viral, fungal, protist and bacterial disease	
				Human defence systems	
				Immunity	
				Vaccination	
				Non-communicable diseases:	
				Cancer	
				Smoking and the risk of disease	
Alcohol and disease					
Photosynthesis					
Respiration					
Metabolism					

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Combined Science Chemistry		Paper 1	1hr 15min	Atomic structure	
				Structure of the atom	
				Electron arrangement	
				Calculating sub-atomic particles	
				Isotopes	
				Chemical Bonding	
				Ionic, Covalent and Metallic Bonding	
				Ionic and covalent Compounds	
				History of the atom	
				development of the Periodic Table	
				Trends in the Periodic table	
				Groups 1,7 and 0	
				Quantitative Chemistry	
				Mass numbers	
				Moles	
				Percentage yield	
				Empirical formula	
				RFM	
				Combined Science Physics	
Changes in energy stores					
Conservation of energy					
Energy and Work					
Gravitational potential stores					
Kinetic energy and elastic stores					
Energy dissipation					
Energy and efficiency					
Electrical appliances					
Energy and Power					
Conduction					
Convection					
radiation					
Specific Heat Capacity					
Heating and Insulating buildings					
Electricity					
Current and charge					
Potential difference and resistance					
Component characteristics					
Series and parallel circuits					
Alternating current					
Cables and Plugs					
Power and potential difference					
current and energy transfer					
Appliances and efficiency					
Radioactivity					
Atoms and Radiation					
History of the Atom					
Alpha, beta, gamma radiation,					
Activity and Half-Life					

Subject	Do I study this subject?	Name of Paper or Unit	Length of Paper	Things to revise	✓			
Triple Science Biology		Paper 1	1hr 45 min	Cell Biology				
				Parts of cells				
				Cell organelles and functions				
				Prokaryotes and Eukaryotes				
				Cell division				
				Surface area				
				Volume ratio				
				Cell specialisation				
				Stem cells				
				Diffusion				
				osmosis				
				Active Transport				
				Exchange surfaces				
				Digestive system				
				Enzymes in digestion				
				Food tests				
				Blood				
				Blood vessels				
				the heart				
				Breathing and gas exchange				
				Transport systems in plants				
				factors affecting transpiration				
				Communicable diseases				
				Viral, fungal, protist and bacterial disease				
				Human defence systems				
				Immunity				
				Vaccination				
				Non-communicable diseases:				
				Cancer				
				Smoking and the risk of disease				
				Alcohol and disease				
				Photosynthesis				
				Respiration				
Metabolism								
Additional Triple topics								
Culturing bacteria								
inhibition zone calculations								
Triple Science Chemistry		Paper 1	1hr 45min	Atomic structure				
				Structure of the atom				
				Electron arrangement				
				Calculating sub-atomic particles				
				Isotopes				
				Chemical Bonding				
				Ionic, Covalent and Metallic Bonding				
				Ionic and covalent Compounds				
				History of the atom				
				development of the Periodic Table				
				Trends in the Periodic table				
				Groups 1,7 and 0				
				Quantitative Chemistry				
				Mass numbers				
				Moles				
				Percentage yield				
				Empirical formula				
				RFM				
				Additional Triple topics				
				Nanoscience and nanoparticles				
Atom Economy								
Concentration and Titration calculations								

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Triple Science Physics		Paper 1	1hr 45min	Energy			
				Changes in energy stores			
				Conservation of energy			
				Energy and Work			
				Gravitational potential stores			
				Kinetic energy and elastic stores			
				Energy dissipation			
				Energy and efficiency			
				Electrical appliances			
				Energy and Power			
				Conduction			
				Convection			
				radiation			
				Specific Heat Capacity			
				Heating and Insulating buildings			
				Electricity			
				Current and charge			
				Potential difference and resistance			
				Component characteristics			
				Series and parallel circuits			
				Alternating current			
				Cables and Plugs			
				Power and potential difference			
current and energy transfer							
Appliances and efficiency							
Radioactivity							
Atoms and Radiation							
History of the Atom							
Alpha, beta, gamma radiation,							
Activity and Half-Life							
Sociology		Paper 1	1 hr 45	Socialisation			
				Culture and Identity			
				Family			
				Education			
Spanish		Paper 1 Listening (all Themes - 1-3)	35min (F) 45min (H)	Theme 1:			
				Me, my family + Friends, Relationships with family and friends, Marriage/partnership			
		Paper 2 - Speaking (all Themes - 1-3)	20min (F) 20min (H)	Technology, social media			
				Music, Cinema, TV, Food, Eating Out, Sport			
		Paper 3 - Reading (all Themes - 1-3)	45min (F) 1hr (H)	Customs and Festivals in Spanish-speaking countries			
				Theme 2:			
		Paper 4 - Writing (all Themes - 1-3)	1hr 5 min (F) 1hr 20 (H)	Holidays			
				Town, neighbourhood and region			
		Sports Studies		Paper 1	1hr	Social Issues (charity/volunteer work, healthy/unhealthy living)	
						Global Issues	
Theme 3:							
School - my life at school/my studies							
Textiles		AO4 (this will be done outside of the PPE timetable)	One day*	Future Ambitions - Education Post-16, Jobs + Ambitions			
				User Groups			
Sports Studies		Paper 1	1hr	Barriers			
				Solutions			
				Emerging sports			
				Olympic Games			
				Sportsman and Gamesmanship			
				Spectator etiquette			
				PED's			
				Importance of hosting major sporting events			
				Role of National Governing Bodies in Sport			
				Please see your Textiles teacher for specifics			