

Netherhall School – Year 10 Programme of Study

Subjects	Autumn Term	Spring Term	Summer Term
English	English Language Paper 2 Skills: Non-Fiction (19 th Century/modern) Explore writer's ideas/perspectives Comparisons on how ideas are presented Analysis of language Read critically and infer and deduce information 19 th Century Novel - A Christmas Carol Importance of writer's message/intention Analysis of writer's craft: language, structure and narrative techniques, characterisation Track themes/analyse key ideas Read critically understanding significance of social/historical context Write critically in a suitably academic style maintaining a viewpoint The significance of literary heritage Paper 1 English Language Skills Use language techniques, vocabulary and sentence structures to create engaging description Explore narrative perspective and structure of writing for impact	 19th Century novel - A Christmas Carol Revision of key ideas Exam questions Power and Conflict poetry (part 1 – Power of Nature – Storm on the Island, Prelude, Exposure, Ozymandias) Unseen Poetry Read critically a range of poetic forms/genres Poetic techniques and their impact Ideas about structure and form Significance of social/historical context and poets' message Make comparisons across poems over time English Lang Paper 1 Writing Language techniques, vocabulary and sentence structures to create engaging description Narrative perspective and structure of writing for impact English Language Paper 1 Reading Reading strategies (inference and retrieval) Analysis of language/structure Power and Conflict poetry (part 2) War and the Impact of War - Charge of the Light Brigade, Bayonet Charge, Remains, Poppies, War Photographer, Kamikaze Read critically a range of poetic forms/ genres Poetic techniques and their impact Structure and form Significance of social/historical/cultural context and poets' message Comparisons across poems over time 	Speaking and Listening (paper 2 English language skills) Understand differences between speech and writing Use standard English in formal situations Select appropriate language techniques for purpose Understand how speeches are structured to impact listeners Understand importance of non-verbal features in presenting ideas Articulate a viewpoint clearly and coherently Power and Conflict poetry (part 3) Inequality/Identity - London, My Last Duchess, Tissue, The Emigree, Checkin Out Me History Read critically a range of poetic forms/genres Explore poetic techniques and their impact Structure and form Significance of social/ historical/cultural context and poets' message Make comparisons across poems over time English Language Paper 2 Reading and Writing Explore writer's ideas/perspectives Comparisons on how ideas are presented Analysis of language Vocabulary, language techniques and varied sentences to present a viewpoint Construct a coherent argument Revision of key literature texts A Christmas Carol/An Inspector Calls Key themes/ideas Characters and their functions Writer's message Analysis of language, structure and form
	Enrichment: Possible theatre visit to A Christmas Carol performance	Enrichment: Careers focus – politics (diplomat, UN, aid workers linked to poetry coverage)	Enrichment: World events/news topics – Race and identity (link to poetry coverage)
	N4 & N5 – Fractions, Decimals & Percentages / Ratio / Proportion	N3 – Number Properties Factors & Multiples	A2 – Arithmetic, Geometric and Other Functions / Graphical Representations and Solutions
	A3 &A4 – Deriving, Manipulating and Solving Equations	S3 – Constructions	D1 – Averages / Comparing Representing Data & Distributions
Mathematics	S4 – Transformations / Scale Drawings / Vectors	N1 & N2 – Multi-step Problems Using 4 Operations / Limits of Accuracy	N4 & N5 – Fractions, decimals & percentages / Ratio & Proportion
	S2 – Calculating with Angles & Bearings	A1 – Number patterns and Sequences / Arithmetic and Geometric Sequences	A3 & A4 – Manipulating Expressions / Solving Equations
	D2 – Calculating and using Probabilities	S1 – Perimeter / Area / Volume	
	Enrichment: Unifrog – careers in maths	Enrichment: Intermediate Maths Challenge 2 nd – 3 rd February 2022. Grey / Pink Kangaroo Maths Challenge 17 th March 2022	Enrichment: Build a Barracks - Army

	Dialog:	l produce	1
	Biology:	Biology:	Biology:
	The nervous system	DNA Duetain synthesis	Competition
	Reflex actions	Protein synthesis	Abiotic and biotic factors Adoptations
	Reaction times The basis	• Mutations	AdaptationsFood chains and food webs
	• The brain	Sexual and asexual reproduction	
	The eye and how to correct vision defects	Meiosis	Cycling materialsDecay
	Thermoregulation	Chromosomes and inheritance	Biodiversity
	How blood glucose is controlled	Variation	Global warming
	How water levels in the body are controlled	Evolution and extinction	Deforestation
	Identifying and treating kidney failure	Selective breeding	Trophic levels and biomass
	Puberty and the menstrual cycle	Genetic engineering	Food security and farming
	Contraceptives and fertility	Cloning	Biotechnology
	Uses of hormones	• Fossils	Sistesimology
	Plant hormones	Speciation	Chemistry:
	Ch anaista u	Ch and atm.	Chromatography
	Chemistry:	Chemistry:	Gas tests
	Calculating relative formula mass Calculating consentration	Rates of reaction Measuring rates of reaction	Common ion tests
Tuinla	Calculating concentration The Mark	Measuring rates of reaction Collision theory	Flame emission spectroscopy
Triple	The Mole	Collision theory	Evolution of the atmosphere
Science	Conservation of mass	Reversible reactions	Greenhouse gases and climate change
	Acids and alkalis	Le Chatelier's principle	Carbon footprint
	Reactivity of metals	Alkanes and alkenes	Air pollution
	Redox reactions	Distillation and cracking of crude oil	Physics:
	Electrolysis	Addition and condensation polymers	Topic 3 revision -The particle model
	Physics:	Alcohols, carboxylic acids	Specific heat capacity
	Energy types	Physics:	Latent heat
	Conduction, convection and radiation	Direct current electricity	• Density
	Specific heat capacity	Circuit problems and laws	Pressure and the kinetic model
	Specific latent heat	Mains electricity	Topic 4 revision – Radioactivity
	Energy transfers	The National Grid	Discovery of the structure of the atom
		The energy crisis	Radioactive decay and penetration
	-	• The energy crisis	Half-life and uses of radioactivity
			Sources of background radiation
	Renewable and non-renewable energy		Fission and Fusion
	Enrichment: Real life context project (biology, chemistry, physics). Science careers - Unifrog	Enrichment: Real life context project (biology, chemistry, physics). Science careers - Unifrog	Enrichment: Demonstration of a radioactive sources. Real life context project (biology, chemistry, physics). Science careers - Unifrog
	Biology:	Biology:	Biology:
	The nervous system	• DNA	• Competition
	Reflex actions	 Protein synthesis 	 Abiotic and biotic factors
	Reaction times	 Mutations 	Adaptations
	How blood glucose is controlled	Sexual and asexual reproduction	 Food chains and food webs
	Identifying and treating kidney failure	Meiosis	Cycling materials
Combined	Puberty and the menstrual cycle	Chromosomes and inheritance	Decay
	Contraceptives and fertility	• Variation	Biodiversity
Science	Uses of hormones	Evolution and extinction	Global warming
		Selective breeding	Deforestation
	Chemistry:	Genetic engineering	50.0.0000000000000000000000000000000000
	Calculating relative formula mass	• Fossils	Chemistry:
	Calculating Concentration	• 1 033113	 Chromatography
	The Mole	Chemistry:	Gas tests
	me mere	chemistry.	

	A state and alliable	Manufacture of control	Consultance and the state of th
	Acids and alkalis	Measuring rates of reaction	Greenhouse gases and climate change
	Reactivity of metals	Collision theory	Carbon footprint
	Redox reactions	Reversible reactions	Air pollution
	Electrolysis	Le Chatelier's Principle	Physics:
	Physics:	Alkanes and alkenes	Topic 3 revision -The particle model
	• Energy types	Distillation and cracking of crude oil	Topic 4 revision – Radioactivity
	Conduction, convection and radiation	Physics:	- Topic Trevision Radioactivity
	Specific heat capacity	Direct current electricity	
	Specific fleat capacity Specific latent heat	,	
		Circuit problems and laws	
	Energy transfers	Mains electricity	
	Energy efficiency	The National Grid	
	• Power	The energy crisis	
	Renewable and non-renewable energy		
	Enrichment: Enrichment: Real life context project (biology, chemistry,	Enrichment: Enrichment: Real life context project (biology, chemistry,	Enrichment: Enrichment: Real life context project (biology, chemistry,
	physics). Science careers - Unifrog	physics). Science careers - Unifrog	physics). Science careers - Unifrog
	How human activities affect coastal landscape	Consequences of uneven development	Local to international strategies for the sustainable use of water
	Goods and services from a tropical rainforest	Impacts and responses to tropical storms (Sandy and Haiyan)	Processes that influence the level of development of India
	Defining development	How technology and interventions help meet water resource	Erosional and depositional river landforms
	The conditions that lead to tropical storms	demands	The impact of geopolitics and technology on India
	Water supply issues in different countries	Strategies to address uneven development	Human activities that affect river landscapes
	Global pattern of development variation	Physical processes that shape river landscapes	Rivers fieldwork (preparation, undertaking and analysis)
Geography	A distinctive coastline that is the result of human and physical	Good and services of a deciduous forest	
	processes	How the level of development in India is influenced by its global	
	The distinguishing features of a deciduous forest	context	
		Causes of drought	
		Enrichment: Unifrog career related presentation HW of their choice	Enrichment: Fieldwork at a local river
	Enrichment: Research HW into the impacts and responses of a major hurricane of their choice	hydrologist or forest ranger	Elliciment. Fieldwork at a local river
	The department follows the AQA specification. Paper 1 Section B:	Completion of AQA Paper 1 Section B: Conflict & Tension – World War	Completion of AQA Paper 1 Section A: Germany (1890 – 1945) –
	Conflict & Tension – World War One (1894 – 1918) including:	One (1894 – 1918), prior to moving on to study of AQA Paper 1 Section	Democracy & Dictatorship including:
	The causes of WW1	A: Germany (1890 – 1945) – Democracy & Dictatorship including:	'Work and bread'
	Life in the trenches	Kaiser Wilhelm II and pre-WW1 Germany	 Did Hitler make Germany self-sufficient?
	The Battles of Marne, Verdun, Somme & Passchendaele	The impact of WW1 and the Weimar Republic	The impact of WW2 on Germany
	The Gallipoli Campaign	The Stresemann era	 Nazis and young people
	The war at sea and in the air	Hitler and the Munich Putsch	Women in Nazi Germany
History	 Ludendorff's Spring Offensive and the Hundred Days Offensive 	Depression and the rise of the Nazis	Nazis and Christianity
i iistoi y	The end of the war	The Night of the Long Knives	The Final Solution
			Fear, terror and propaganda in Nazi Germany
			Resistance and opposition to Hitler and the Nazis
		Enrichment: Visit to Belgium – WW1 battlefields, cemeteries and	Enrichment: Extended readings to familiarise pupils with historians' work
	Enrichment: Extended readings to familiarise pupils with historians'	museums. Extended readings to familiarise pupils with historians' work	and their careers
	work and their careers	and their careers	
	Me, my friends and my family - what makes a good friend, relationships,	Festivals and celebrations - describing your daily life, shopping for	Where I live - describing a region, finding out tourist information,
	planning going out with friends, describing a day out, a person I admire	clothes, describing festivals and traditions, shopping for a special meal, describing family celebrations	discussing plans and the weather, advantages and disadvantages of your town, village, neighbourhood
French	Hobbies - sports, technology, reading, music, tv programmes, talking	accessing ranning secondarions	10, 1
	about a night out with friends		
	Enrichment: Daily Life in France	Enrichment: School exchange, Lycée Saint Sauveur, Redon, Easter	Enrichment: Exchange follow-up - email, video calls with our partner
			school

Spanish	School - school subjects and teachers, facilities, school uniform, rules and problems, School activities, plans for a school exchange, achievements Identity and Culture - free-time activities, TV programmes and films, reading preferences, sports, who inspires you	Local area, holiday and travel – holidays and weather, what you do in summer, past holidays, booking holidays and dealing with problems, places in a town, features of a region, planning what to do	Local area, holiday and travel / Identity and Culture - problems in a town, a visit in your town in the past, mealtimes, typical foods, ordering in a restaurant, illness and injuries, different festivals, a special day, music festivals
	Enrichment: National Spanish Week	Enrichment: Careers using Languages - Unifrog	Enrichment: Festival: La tomatina
Information Technology	 Investigate user interface design for individuals and organisations Design principles of different user interfaces Meeting the needs of an audience with user interfaces Use project planning techniques to plan and design a user interface Creating a project plan Using a variety of project planning techniques Apply relevant techniques to support user requirements Enrichment: Working with IT team within school and user interfaces.	Develop and review a user interface Evaluate feedback and show potential improvements Identify strengths and weaknesses of a project Implement changes to your project Summarise the decisions and techniques used Discuss the reasoning behind difficult decisions Modern technology Impact of modern technology Threats to data Prevention and management of threats Enrichment: Links to recent events of hacking and data loss (current)	Revision Policy Legal and ethical Responsible use
	iDEA Award	affairs)	
	Boolean logic	Architecture of the CPU & CPU performance	Secondary storage
	Data storage – numbers	Data types	Practical programming skills
	Data storage – characters	Programming fundamentals	Networks and topologies
Computer	Data storage – Compression	Embedded systems	Wired and wireless networks, protocols and layers
Science	Designing, creating and refining algorithms	Primary & Secondary storage	
		Programming techniques	
	Enrichment: CyberFirst courses. iDEA Award	Enrichment: CyberFirst courses. iDEA Award	Enrichment: CyberFirst courses. iDEA Award
Religious Studies	Relationships	Life and death The quality of life Abortion Euthanasia Hospices and religion Afterlife Judgement Funeral rites The world- the origin of the world Religious reaction to Darwin Religious reactions to the Big Bang theory Stewardship Islam Beliefs Teachings Practices	Ethics Relationships Life and death Crime and punishment Crime Causes of crime Aims of punishment Punishment and utilitarianism Justice Enrichment: Punishment — Law compared to Religious Ethics
	Enrichment: Unifrog – Careers using ethics	Enrichment: Links to science and evolution, reproduction	Enrichment: Punishment – Law compared to Religious Ethics

	Distorted Self	Distorted Self	Architecture (mock)
Art	AO1: Develop ideas through investigations, demonstrating critical understanding of sources. AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes. AO3: Record ideas, observations, and insights relevant to intentions as work progresses. AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.	AO1: Develop ideas through investigations, demonstrating critical understanding of sources. AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes. AO3: Record ideas, observations, and insights relevant to intentions as work progresses. AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.	AO1: Develop ideas through investigations, demonstrating critical understanding of sources. AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes. AO3: Record ideas, observations, and insights relevant to intentions as work progresses. AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.
	Enrichment: The Big Draw	Enrichment: Arts Award Bronze/Silver	Enrichment: Visiting artist - Ian Murphy. Arts Award Bronze/Silver
	Distorted Self	Distorted Self	Architecture (mock)
Photography	AO1: Develop ideas through investigations, demonstrating critical understanding of sources. AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes. AO3: Record ideas, observations, and insights relevant to intentions as work progresses. AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.	 AO1: Develop ideas through investigations, demonstrating critical understanding of sources. AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes. AO3: Record ideas, observations, and insights relevant to intentions as work progresses. AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language. 	 AO1: Develop ideas through investigations, demonstrating critical understanding of sources. AO2: Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes. AO3: Record ideas, observations, and insights relevant to intentions as work progresses. AO4: Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.
	Enrichment: The Big Draw	Enrichment: Arts Award Bronze/Silver	Enrichment: Visiting artist - Ian Murphy. Arts Award Bronze/Silver
BTEC Physical Education	 Unit 1 - Fitness for Sport & Exercise Explore different fitness training methods Investigate fitness testing to determine fitness levels Unit 2 - Practical Performance in Sport Practically demonstrate skills, techniques and tactics in selected sports Review sports performance 	 Unit 1 - Fitness for Sport & Exercise Investigate fitness testing to determine fitness levels Revision of exam topic and completion on unit 1 exam Unit 2 - Practical Performance in Sport Review sports performance 	 Unit 3: Applying the principles of personal training Design a personal fitness training programme Unit 6: Leading Sports Activities Know the attributes associated with successful sports leadership
	Enrichment: Inter-tutor and interschool fixtures/competitions. Grand final trip	Enrichment: Inter-tutor and interschool fixtures/competitions	Enrichment: Inter-tutor and interschool competitions. Tennis coaching. Sports Day
Core Physical	Half term 1 • Football, badminton, netball Half term 2	Half term 3 • Basketball, trampolining, fitness	Half term 5 • Tennis, cricket, athletics
Education (All)	Rugby, badminton, trampolining	Half term 4 ● Fitness, Volleyball, badminton	Half term 6 • Tennis, rounders, athletics
	Enrichment: Inter-tutor and interschool competitions. Grand Final trip	Enrichment: Inter-tutor and interschool competitions	Enrichment: Inter-tutor and interschool competitions. Tennis coaching. Sports Day
	Characteristics of children's development from birth to 5 years	How children play	Adapt play to promote inclusive learning and development
<i>.</i>	Difference between growth and development	Stages of children's play	The benefits of adapting activities for all children in play, learning and development
Childcare	Factors that can affect growth and development – physical, environmental, socioeconomic	The role of adults in promoting learning through play How children's learning can be supported through play	Adapting activities/resources to support a child with physical needs, cognitive and intellectual needs, experiencing social and emotional needs

		Planning play opportunities for children	
		Physical, cognitive/intellectual, communication and language play and learning	
	Enrichment: First Aid on line learning. Debating factors and impact. Case study. Simulated observation linked to EYFS. Work experience week	Enrichment: Writing a circle time story. Design a nursery room. Play challenge – involving motor skills. Guest speaker – working with varying needs	Enrichment: Equality Act Planning inclusive activities – cost, setting etc. Phonics Communication and language – specialist job roles
	Devising Theatre – Creating a script to perform	Devised theatre: Refine and polish performance	C2: Continuance of 'Performance from a text'
	Live Theatre Review – Theatre visit and reviewing online resources	C3 Live theatre review (using DT+)	Text exploration as a performer/designer/director
	Exam skills- Live theatre reviewing	C3 prep: create a bank of notes on practitioners, creative contributions,	As above and prep for questions – 'artistic intentions and audience'
Drama	Performance- performing and filming devised pieces	a new focus per week. Notes should support all questions in C3.	
	Portfolio – Developing analytical writing skills	C2 Introduction to 'Performance from a text': 'DNA'	
	Enrichment: Splendid Theatre online videos/ NT/DT+/Wildfire/Unifrog	Enrichment: NT/DT+/Unifrog	Enrichment: NT/DT+/Unifrog
	Human growth and development across life stages and the factors that	Investigate how individuals deal with life events and coping with change	Demonstrate care values and review own practice
	affect it	caused by life events	·
	How individuals deal with life events and coping with change caused by	Understand the different types of health and social care services and	Respect for the individual by respecting service users' needs, beliefs and identity
	life events	barriers to accessing them	lacinity
	Physical factors - genetic inheritance and experience of illness and	Different health care services and how they meet service-user needs -	Maintaining confidentiality when dealing with records, avoiding sharing information inappropriately
	disease, diet and lifestyle choices, and appearance	primary, secondary and tertiary care	ппотписот пирргоргиссту
	Intellectual/cognitive development across the life stages - problem	Different health care services and how they meet service-user needs - allied health professionals, services for children and young people,	Preserving the dignity of individuals to help them maintain privacy and self-respect
Health &	solving, abstract and creative thinking, development/loss of memory and recall, language development	services for adults or children with specific needs, services for older adults	Effective communication that displays empathy and warmth
Social Care			
	Emotional development in infancy and early childhood, adolescence and adulthood		Safeguarding and duty of care
			Promoting anti-discriminatory practice and applying care values in a
	Social and cultural factors - culture and educational experiences, influence of role models, the influence of social isolation and personal		compassionate way in different settings
	relationships with friends and family		
	Enrichment: Debate external factors affecting life choices. Life event	Enrichment: Stress Awareness Month Survey – experiences of HSC	Enrichment: Research failing in key safeguarding cases. National Carers
	project. Attachment theory impact. Guest speaker / video blog – personal experience of life changing injury	services. Public speaking – presenting survey results	Week. Interview DSL
	Food-related causes of ill health	The structure of the Hospitality and Catering industry	The operation of the kitchen
Hospitality &	Environmental Health Officer	Job requirements and working conditions in the H&C industry	The operation of the front of house
	Food allergies and intolerances	Factors that affect success in the H&C industry	The function of nutrients in the body
	Food safety legislation	Meeting customer needs	The characteristics of unsatisfactory nutritional intake
Catering	Laws about personal safety that you need to be familiar with		Nutritional needs of specific groups
	Risks and control measures for personal safety in H&C		
	Enrichment: Eatwell Plate. Padlet board – local events and food festivals.	Enrichment: Junior bake-off application process. Padlet board – local	Enrichment: Padlet board – local events and food festivals. Junior bake-
	Work Experience. National Diabetes Day	events and food festivals. Guest speaker – local business, how to meet clients' needs	off competition. Video Blog – Impact of Covid on choice in H&C

	Health and well being	Living in the wider world	Work experience
Guidance	Living responsibly		Relationships
	Enrichment: Virtual work experience	Enrichment: Unifrog	Enrichment: Experience of a work place