

## Netherhall School – Year 12 Programme of Study

Subject	Autumn Term	Spring Term	Summer Term
Subject  English Language	Autumn Term  Paper 1 Section A Language, the individual and Society: Meanings and Representations – Linguistic methods  Phonetics, phonology and prosodics: how speech sounds and effects are articulated and analysed  Graphology: the visual aspects of textual design and appearance  Lexis and semantics: the vocabulary of English, including social and historical variation  Grammar, including morphology: the structural patterns and shapes of English at sentence, clause, phrase and word level  Pragmatics: the contextual aspects of language use  Discourse: extended stretches of communication occurring in different genres, modes and contexts  Apply linguistic methods in analysis  Paper 1 Section A: Meanings and Representations – Spoken Discourse  Phonetics, phonology and prosodics: how speech sounds and effects are articulated and analysed  Pragmatics: the contextual aspects of language use  Discourse: extended stretches of communication occurring in different genres, modes and contexts  Apply Theories of conversation/speech  Paper 1 Section A - Meanings and Representations  How language is shaped according to audience, purpose, genre and mode and according to context  How language is used to construct meanings and representations  How language is used to enact relationships between writers, speakers and audiences or between participants within a text  Methods of language analysis  How identity is constructed  How audiences are addressed and positioned  The functions of texts  Structure and organisation  How representations are produced	Paper 2: Language Diversity and Change: Power, Occupation  Paper 2: Language, Diversity and Change: Region, Age, Social Group  • Texts using different sociolects (to include social and occupational groups, gender and ethnicity), different dialects (to include regional, national and international varieties of English), that use language to represent the different groups above, from different periods, from 1600 to the present day  • Written, spoken and electronic texts about a range of subjects, for various audiences and purposes in a variety of genres  • Items from collections of language data (e.g. dictionaries, online resources, language corpora)  • Research findings (e.g. tables, graphs, statistics)  • How language varies because of personal, social, geographical and temporal contexts  • Why language varies and changes  • Attitudes to language variation and change  • Use of language according to audience, purpose, genre and mode  • How language is used to enact relationships  Paper 2 Language, Diversity and Change — Opinion Writing  • Analysing the form of opinion articles and how issues are addressed  • Writing about language issues in a variety of forms  Paper 2 Language, Diversity and Change — Language Discourses  Students will study a range of texts that convey attitudes to language diversity and change. The texts studied will include those written for non-specialist audiences.  Students will explore how texts are produced to convey views and opinions about language issues. They will explore how texts:  • represent language  • construct an identity for the producer  • position the reader and seek to influence them  • are connected to discourses about language.	Summer Term  Language in Action NEA: Original Writing and Commentary  Students will produce one piece of original writing based on one of the following three areas:  • The Power of Persuasion • The Power of Storytelling • The Power of Information  and one accompanying commentary:  • evaluate the structures and conventions of a variety of genres • plan, draft and redraft as part of the writing process • reflect on the writing process using methods of language analysis.  Paper 1 Meanings and Representations  Introduction to Child Language Acquisition/Language Change  • The functions of children's language • Phonological, pragmatic, lexical, semantic and grammatical development • Different genres of speech and writing • Different modes of communication (spoken, written, multimodal) • Theories and research about language development.  Students should study a range of examples of language in use and research data to inform their study of diversity and change:  • Texts using different sociolects (to include social and occupational groups, gender and ethnicity), different dialects (to include regional, national and international varieties of English), that use language to represent the different groups above, from different periods, from 1600 to the present day  • Written, spoken and electronic texts about a range of subjects, for various audiences and purposes in a variety of genres  • Items from collections of language data (eg dictionaries, online resources, language corpora)  • Research findings (eg tables, graphs, statistics)
	<ul> <li>Why language varies and changes</li> <li>Attitudes to language variation and change</li> <li>Use of language according to audience, purpose, genre and mode</li> <li>How language is used to enact relationships</li> <li>Methods of language analysis</li> </ul>		

	How identity is constructed		
	Enrichment: World events/news topics around gender/sexuality, "Me too" movement	Enrichment: Careers focus – law linked to language and power/occupation	Enrichment: English and Media Centre online course/workshop (York University language department)
English Literature	Component 1: Drama Paper 1 Section A: Othello / Critical Reading Paper 1 Section B: A Streetcar Named Desire  use of dramatic forms to shape meaning and evoke responses contexts in which texts have been produced and how these contexts influence meaning make connections and explore the relationships between texts a range of ways to read and experience texts, responding critically and creatively respond to and evaluate texts identify and explore how attitudes and values are expressed in texts communicate fluently, accurately and effectively their knowledge, understanding and evaluation of texts use literary critical concepts and terminology with understanding and discrimination make appropriate use of the conventions of writing in literary studies	Component 2: Prose Paper 2: Frankenstein  Component 3: Poetry Paper 3 Section A: Post-2000 Specified Poetry  • genre features and conventions in prose fiction texts • how writers use and adapt language, form and structure in texts, responding critically and creatively • make connections and explore the relationships between texts • the ways texts can be grouped and compared to inform interpretation • the contexts in which texts have been produced • explore how attitudes and values are expressed in texts • communicate fluently, accurately and effectively • use literary critical concepts and terminology • make appropriate use of the conventions of writing in literary studies	Component 2: Prose Paper 2: The Handmaid's Tale  Component 3: Paper 3 Section A: Post-2000 Specified Poetry  Component 4: NEA Preparation (Coursework)  • genre features and conventions in prose fiction texts • how writers use and adapt language, form and structure in texts, responding critically and creatively • make connections and explore the relationships between texts • the ways texts can be grouped and compared to inform interpretation • the contexts in which texts have been produced • explore how attitudes and values are expressed in texts • communicate fluently, accurately and effectively • use literary critical concepts and terminology • make appropriate use of the conventions of writing in literary studies
Mathematics	Enrichment: Possible opportunity for a theatre visit to see either Othello or A Streetcar Named Desire live, dependent on availability  Pure Mathematics  Surds & Indices  Quadratic Functions  Equations & Inequalities  Graphs & Transformations  Coordinate Geometry  Algebraic methods  Binomial Expansion  Mechanics  Modelling  Kinematics Forces as Vectors  Forces & Acceleration  Motion in 2D  Statistics  Data Collection  Measures of Location & Spread  Representation of Data  Correlation  Probability  Enrichment: University Visit (mathematics dept). Senior Maths Challenge 3 <sup>rd</sup> – 4 <sup>th</sup> November 2021. Senior Maths Olympiad Round 1, 25 <sup>th</sup> November 2021	Pure Mathematics	Pure Mathematics

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	Microscopy	Exchange surfaces	Homeostasis
	Cell structure	Transport in animals	Behavioural and physiological responses in ectotherms and
	Biomolecules and their functions in organisms	Transport in plants	endotherms
	• Enzymes		Histology of the mammalian liver
	Nucleotides and nucleic acids		Histology of the nephron
Riology	Cell division and diversity		Synapses and neurotransmission
Biology	Biological membranes		Diabetes
			Plant and animal responses to change
			<ul> <li>Photosynthesis</li> </ul>
			Respiration
	Enrichment: Biology in the news. Biology careers	Enrichment: Biology in the news. Biology careers	Enrichment: Biology in the news. Biology careers
	a Atoms and isotopes	Redox reactions	Bonding and structure
	Atoms and isotopes     Companyed formulae and acceptions	Electron structure	Chemical equilibrium
	Compounds, formulae and equations	Enthalpy changes	Haloalkanes
	Amount of substance – The Mole	Reaction rates	Organic synthesis
	• Acids	Alkanes	Infra-red and mass spectrometry
Chamistry	The periodic table & periodicity	Alkenes	Mock exam preparation
Chemistry	Group 2 metals	Alcohols	- Wook exam preparation
	The Halogens	Alcohols	
	Ion tests		
	Hydrocarbons & basic concepts of organic chemistry		
	Enrichment: Chemistry in the news. Chemistry careers	Enrichment: Chemistry in the news. Chemistry careers	Enrichment: Chemistry in the news. Chemistry careers
	The 7 base units	Levers and moments	Drift velocity
	Properties of materials	Momentum before and after a collision	Internal resistance of a power supply
	Stress strain and Young's Modulus	Current electricity	Wave types and parts of a wave
	Density	Circuit problems	Ray diagrams, refraction, reflection and diffraction
	Fluid mechanics and flow	Circuit problems	The wave equation
Physics	Forces and Newton's laws		· ·
,			The photelectric effect     Destine ways duality.
	Dynamics equations		Particle wave duality
	Enrichment: Physics in the news. Physics careers	Enrichment: Physics in the news. Physics careers	Enrichment: Physics in the news. Physics careers
	Periodic table	Displacement reactions	Titration (c/w)
	• The mole	Reactions of metals and acids	• Colorimetry (c/w)
	Electronic structure	Structure and function of the blood	• Calorimetry (c/w)
	Bonding	Epithelial cells	Chromatographic techniques (c/w)
	<ul> <li>Properties of period 2 and 3</li> </ul>	Pulmonary systems	Cilioniatographic techniques (c/ w)
	·		
	Reactivity of group 1 and 7      Note that the second of the second	Arteries and veins	
	History of the microscope	Cardiovascular system	
	Practical uses of microscopes	Sliding filament theory	
<b>BTEC Science</b>	Cell structures & Specialised cells	Nervous system	
	Types and speed of waves	The brain	
	Diffraction and superposition	• Calibration (c/w)	
	Wave equation	Calorimetry (c/w)	
	Progressive and stationary resonance		
	Refractive index		
	Total internal reflection and critical angler		
	Flectromagnetic waves and inverse square law for intensity		
	Electromagnetic waves and inverse square law for intensity  Enrichment: Science in the news. Science careers	Enrichment: Science in the news. Science careers	Enrichment: Science in the news. Science careers

	Human Diaga	House Place and alphalacetons	Human Blass and slab all systems
	Human – Place	Human – Place and global systems	Human – Place and global systems
	Place meanings	Maryport / Allerdale and one distant place case studies	Global commons, especially Antarctica
	Place experience	Globalisation	Resource classification
	Place demographics	Global trade	Patterns of demand and availability
		Global institutions	Resource extraction impacts
			Geopolitics of resources
	Physical – Water and Carbon Cycle	Physical – Coasts	Coopenius of resources
	Water cycle systems	Coastal systems	Planning and preparation for the Non-examined Assessment (NEA).
Geography	Carbon cycle systems	Coastal systems     Coastal landforms	Plaining and preparation for the Non-examined Assessment (NLA).
			Physical – Coasts and hazards
		Human intervention	•
			Local and distant case study of coastlines
			Volcanic hazards – impacts and responses
			<b>Enrichment:</b> Undertaking of their own independent research in the field
	Enrichment: Maryport related fieldwork activities. Soil	Enrichment: Solway coastal study/linked with biology	6
	analysis/infiltration rates in local area		
	Philosophy-	Philosophy	Philosophy
	Ancient philosophical influences	Arguments based on observation	The problem of evil
	Soul body and mind	Arguments based on reason	
		0	Christian Thought
	Christian Thought	Christian Thought	Christian moral principles
	Augustine's teachings on Human Nature	Knowledge of God's existence	Christian moral actions
Religious	Death and the Afterlife	The person of Jesus Christ	
Studies	Beath and the Atternie	The person of sesses emist	Ethics
Studies	Ethics	Ethics	Euthanasia
	Natural Law	Kantian Ethics	
	Utilitarianism	Situation Ethics	
	<b>Enrichment:</b> Debating key topics relating to death and the after-life	Enrichment: Debating key topics in observation and reason	Enrichment: Careers involving ethics - Unifrog
	The department follows the OCR A specification. Paper 1 British period	Paper 2 Democracy & Dictatorships in Germany 1919 – 1963, including:	Paper 3 Rebellion and Disorder under the Tudors 1485 – 1603, including:
	study and enquiry: Britain 1930 – 1997, including:		The main causes of rebellion and disorder
		The establishment and development of the Weimar Republic 1919 –	The frequency and nature of the disturbances
	Period study: Britain 1951 – 1997:	January 1933	The impact of the disturbances upon Tudor governments
	Conservative domination 1951 – 1964	The establishment of the Nazi dictatorship and its domestic policies	The maintenance of political stability
	Labour and Conservative Governments 1964 – 1979	February 1933 – 1939	
	Thatcher and the end of consensus 1979 – 1997	The impact of war and defeat on Germany: 1939 – 1949	Depth studies:
History	Enquiry topic: Churchill 1930 – 1951	Divided Germany: The Federal Republic and the DDR 1949 – 1963	Pilgrimage of Grace
i iistoi y	Churchill's view of events 1929 – 1940		The Western Rebellion
	Churchill as wartime Prime Minister		Tyrone's Rebellion
	Churchill and international diplomacy 1939 – 1951		
	<b>Enrichment:</b> Extended readings by various historians to engage pupils in	Enrichment: Extended readings by various historians to engage pupils in	<b>Enrichment:</b> Opportunities to visit universities and explore the content
	real historical research. We hope that this will give pupils an insight into	real historical research. We hope that this will give pupils an insight into	of history degrees at various institutions.
	an historical undergraduate degree experience	an historical undergraduate degree experience	, ,
	Sense of Place – Skills Based workshops	Personal Investigation	Personal Investigation
	AO1: Develop ideas through sustained and focused investigations	AO1: Develop ideas through sustained and focused investigations	AO1: Develop ideas through sustained and focused investigations
Λ+	informed by contextual and other sources, demonstrating analytical	informed by contextual and other sources, demonstrating analytical	informed by contextual and other sources, demonstrating analytical
Art	and critical understanding.	and critical understanding.	and critical understanding
	AO2: Explore and select appropriate resources, media, materials,	<ul> <li>AO2: Explore and select appropriate resources, media, materials,</li> </ul>	AO2: Explore and select appropriate resources, media, materials,
	techniques and processes, reviewing and refining ideas as work	techniques and processes, reviewing and refining ideas as work	techniques and processes, reviewing and refining ideas as work
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	<ul> <li>AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.</li> <li>AO4: Present a personal and meaningful response that realises intentions and, where appropriate, makes connections between visual and other elements.</li> </ul>	<ul> <li>AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.</li> <li>AO4: Present a personal and meaningful response that realises intentions and, where appropriate, makes connections between visual and other elements.</li> </ul>	<ul> <li>AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress</li> <li>AO4: Present a personal and meaningful response that realises intentions and, where appropriate, makes connections between visual and other elements</li> </ul>
	Enrichment: The Big Draw	Enrichment: Gallery visit – London or Glasgow	
Photography	<ul> <li>Sense of Place – Skills Based workshop</li> <li>AO1: Develop ideas through sustained and focused investigations informed by contextual and other sources, demonstrating analytical and critical understanding</li> <li>AO2: Explore and select appropriate resources, media, materials, techniques and processes, reviewing and refining ideas as work develops</li> <li>AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress</li> <li>AO4: Present a personal and meaningful response that realises intentions and, where appropriate, makes connections between visual and other elements</li> </ul>	<ul> <li>Personal Investigation</li> <li>AO1: Develop ideas through sustained and focused investigations informed by contextual and other sources, demonstrating analytical and critical understanding</li> <li>AO2: Explore and select appropriate resources, media, materials, techniques and processes, reviewing and refining ideas as work develops</li> <li>AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress</li> <li>AO4: Present a personal and meaningful response that realises intentions and, where appropriate, makes connections between visual and other elements</li> </ul>	<ul> <li>Personal Investigation</li> <li>AO1: Develop ideas through sustained and focused investigations informed by contextual and other sources, demonstrating analytical and critical understanding</li> <li>AO2: Explore and select appropriate resources, media, materials, techniques and processes, reviewing and refining ideas as work develops</li> <li>AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress</li> <li>AO4: Present a personal and meaningful response that realises intentions and, where appropriate, makes connections between visual and other elements</li> </ul>
French	Changes in family structures - how the structure of the family is changing, how the institution of marriage is changing, relationships within the family unit  Education - how the French education system is structured, issues, French students might have, higher education in France, ways of adapting to working life  Grammar Revisions  Enrichment: Opportunities to assist KS3 and KS4 classes as a language	Enrichment: Gallery visit – London or Glasgow  The world of work - work-life balance and attitudes towards work in France, reasons why people strike, their right and trade union intervention, gender discrimination in the workplace.  Music - Francophone music, the popular musical genre, <i>la chanson française</i> and Haitian music, the influence of Francophone music Study of a film: <i>La Haine</i> Enrichment: School exchange, Lycée Saint Sauveur, Redon, Easter.	Media - freedom of speech in francophone countries, print and online media in francophone countries, the effect of the media on politics and society in francophone countries  Festivals and traditions - celebrations in francophone countries  Study of a film - <i>La Haine</i> Enrichment: Opportunities to assist KS3 and KS4 classes as a language
	assistant. In person and online language events	Opportunities to assist KS3 and KS4 classes as a language assistant. In person and online language events	assistant. In person and online language events
Health & Social Care	Supporting people with dementia (U16)  Anatomy and Physiology for health and social care (U4)	Health, safety and security in health and social care (U3)  Equality, diversity and rights in health and social care (U2)	Anatomy and Physiology for health and social care (U4)  Health, safety and security in health and social care (U3)
	Nutrition for health (U10) Safeguarding (U7)	Anatomy and Physiology for health and social care (U4)  Personalisation and a person-centred approach to care (U6)	Equality, diversity and rights in health and social care (U2)  Personalisation and a person-centred approach to care (U6)
	Infection control (U5)	Supporting people with mental health conditions (U17)	Supporting people with learning difficulties (U9)
	Promote positive behaviour (U12)	Promote positive behaviour (U12)	Building positive relationships in HSC (U1)
	<b>Enrichment:</b> Emergency Service Day. Debating high profile safe guarding fails. Guest speakers. Analysing research papers	<b>Enrichment:</b> Stephen Lawrence Day. Survey of local facilities relating to provision of HSC Case studies – mental health celebrities and support available	<b>Enrichment:</b> Documentaries – Winterbourne Care. Research study – Breadline Kids. National thankyou day. Guest speaker – mental health nurse

	<ul> <li>Unit 1 - Body systems and the effects of physical activity</li> <li>Skeletal, muscular system &amp; cardiovascular systems in relation to exercise and physical activity</li> </ul>	<ul> <li>Unit 1 - Body systems and the effects of physical activity</li> <li>Respiratory system in relation to exercise and physical activity</li> <li>Energy systems in relation to exercise and physical activity</li> </ul>	<ul> <li>Unit 1 - Body systems and the effects of physical activity</li> <li>Revision of unit 1 topics</li> <li>Unit 1 exam</li> </ul>
Physical Education	<ul> <li>Unit 8 - Organisation of sports events</li> <li>Types of sports events and their purpose</li> <li>Different roles and responsibilities involved in the planning and delivery of sports events</li> <li>Plan and promote a sports event</li> <li>Unit 18 - Practical skills in sport and physical activities</li> <li>Ongoing through the course – students are to complete either their team/ individual/ officiating video evidence during competitions both in and out of school</li> </ul>	<ul> <li>Unit 8 - Organisation of sports events</li> <li>Participate in the delivery of a sports event</li> <li>Unit 18 - Practical skills in sport and physical activities</li> <li>Ongoing through the course – students are to complete either their team/ individual/ officiating video evidence during competitions both in and out of school</li> </ul>	<ul> <li>Unit 2 - Sports coaching and leadership</li> <li>Roles and responsibilities of sports coaches and activity leaders</li> <li>Principles which underpin coaching and leading</li> <li>Unit 8 - Organisation of sports events         <ul> <li>Review the planning and delivery of a sports event</li> </ul> </li> <li>Unit 18 - Practical skills in sport and physical activities</li> <li>Ongoing through the course – students are to complete either their team/ individual/ officiating video evidence during competitions both in and out of school</li> </ul>
	<b>Enrichment:</b> Officiating of Year 7,8 and 9 competitions. Primary competitions. Coaching opportunities of KS3 pupils. Inter-school fixtures/ competitions. Grand final trip	<b>Enrichment:</b> Officiating of Year 7,8 and 9 competitions. Primary competitions. Coaching opportunities of KS3 pupils. Inter-school fixtures/ competitions	<b>Enrichment:</b> Officiating of Year 7,8 and 9 competitions. Primary competitions. Coaching opportunities of KS3 pupils. Inter-school fixtures/ competitions. Sports Day
	Understanding computer hardware	Software troubleshooting	Revision
Information Technology	Understanding computer software  Virtual and augmented reality:  • Virtual and augmented reality and how they may be used	Understanding employability and communication skills used in an IT environment  Understand ethical and operational issues and threats to computer systems	<ul> <li>Virtual and augmented reality:</li> <li>Design virtual and augmented reality resources</li> <li>Create virtual and augmented reality resources</li> <li>Predict future applications for virtual and augmented reality</li> </ul>
	Enrichment: NHS Virtual Reality	Enrichment: Working alongside IT team within school to troubleshoot	Enrichment: NHS Virtual Reality