CURRICULUM INTENT: UFP PATHWAYS and SUPPORT CURRICULUM

The University Foundation Programme (UFP) is a one-year preparatory course that aims to provide international students with the academic and language skills necessary to succeed in their chosen undergraduate degree programme at a UK university. The UFP curriculum is designed to offer a comprehensive and challenging learning experience that prepares students for the academic demands of university study.

The UFP is typically aimed at students who have achieved a minimum level of English language proficiency, usually an IELTS score of 5.5.

NLGS offers a tailored and customized curriculum for its University Foundation Programme (UFP) that has been accredited by OCN London. This means that the UFP program has been developed by NLGS to meet the specific needs of its students and has been rigorously assessed and approved by OCD London to ensure that it meets the required standards of quality and academic rigor.

By offering a bespoke curriculum, NLGS is able to provide its UFP students with a learning experience that is designed to cater to their individual academic and personal development needs. This curriculum is flexible, allowing for adaptation and customization to meet the needs of each student, while ensuring that it covers all the essential subjects and skills necessary for successful progression to undergraduate study.

The accreditation of the UFP by OCD London is an assurance to students that the program has been developed and delivered to the highest standards of quality and academic rigor. This accreditation also ensures that the UFP program meets the necessary requirements for admission to UK universities, providing a seamless progression pathway for NLGS students to undergraduate study in the UK.

The UFP curriculum is structured around a range of modules that are designed to develop key skills in academic writing, research, critical thinking, and subject-specific knowledge. These modules are delivered through a combination of lectures, presentations, and practical sessions, and field trips with an emphasis on active and collaborative learning.

The UFP curriculum is informed by the following key principles:

Academic rigour:

The UFP curriculum is designed to be academically rigorous, challenging students to develop the skills and knowledge necessary to succeed at university. This includes developing critical thinking skills, engaging with complex academic concepts, and producing high-quality written work.

Subject-specific focus:

The UFP curriculum is tailored to the requirements of specific degree programmes, providing students with subject-specific knowledge and skills that will be essential for success in their chosen field.

Language proficiency:

The UFP curriculum places a strong emphasis on language proficiency, with a focus on developing students' English language skills to the level required for university study.

Research skills:

The UFP curriculum is designed to develop students' research skills, including the ability to locate, evaluate and use sources effectively, and to produce well-researched and evidenced-based arguments.

Supportive learning environment:

The UFP curriculum is delivered in a supportive learning environment, with small class sizes and personalised support from experienced teachers and tutors. This enables students to receive individualised feedback and support as they develop their skills and knowledge.

Overall, the UFP curriculum is designed to provide students with the academic and language skills necessary to succeed in their chosen undergraduate degree programme at a UK university. Through a combination of subject-specific modules, language development, and research skills training, the UFP curriculum offers a challenging and rewarding learning experience that prepares students for the demands of higher education.

CURRICULUM IMPLEMENTATION: UFP PATHWAYS and SUPPORT CURRICULUM

The implementation of the University Foundation Programme (UFP) curriculum is crucial to the success of the programme, ensuring that students receive the education and support they need to prepare for undergraduate study in a UK university.

The implementation of the UFP curriculum is informed by the following key considerations:

Teaching and learning approaches:

The UFP curriculum is delivered through a range of teaching and learning approaches, including lectures, presentations, practical sessions, and field trips as well as a one-week work experience placement. These are designed to provide students with a variety of opportunities to engage with the material and develop their skills and knowledge that will prepare them for the university degree programme of their choice.

Assessment and feedback:

The UFP curriculum is assessed through a range of methods, including essays, exams, presentations, and group projects. Assessment is designed to be formative, providing students with regular feedback on their progress and opportunities to improve their work.

Personalised support:

The UFP curriculum is delivered in a supportive learning environment, with small class sizes and personalised support from experienced subject specialist teachers and tutors. This enables students to receive individualised feedback and support as they develop their skills and knowledge.

Subject-specific modules:

The UFP curriculum includes subject-specific modules such as Engineering and Computer Science, Business Studies, Humanities, Social Science and Law, and Business Studies that are tailored to the requirements of specific degree programmes. These modules are designed to provide students with the knowledge and skills necessary to succeed in their chosen field.

Language development:

The target students for the University Foundation Programme (UFP) are international students who do not have the necessary qualifications or language proficiency to gain direct entry to a UK university undergraduate degree. This may include students who have completed their secondary education in a non-UK education system or who have completed their secondary education in the UK but do not meet the entry requirements for their chosen degree programme. Therefore, the UFP curriculum

places a strong emphasis on language development, with a focus on developing students' English language skills to the level required for university study. This is achieved through a range of language development activities, including language classes, writing workshops, and language support sessions.

Research skills training:

The UFP curriculum includes training in research skills, including the ability to locate, evaluate and use sources effectively, and to produce well-researched and evidenced-based arguments. This is achieved through a range of research skills training activities, including library sessions, research workshops, and individual research support.

Overall, the implementation of the UFP curriculum is designed to provide students with a high-quality, supportive, and challenging learning experience that prepares them for undergraduate study in a UK university as well as a wide range of other universities in a few other countries including the US, Canada, Australia, New Zealand, and Germany. Through a range of teaching and learning approaches, personalised support, subject-specific modules, language development, and research skills training, the UFP curriculum enables students to develop the skills and knowledge necessary for success in higher education.

	AUTUM	N TERM	SPRING	TERM	SUMMER TERM	TRIPS AND EVENTS
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	
	Topics	Topics	Topics	Topics	Topics	
	Business	The Business External	Introduction to	Management and	Business Communication	
	Organisations and	Environment	Marketing	Leadership (cont.)	and Information	
	Structure	1.1. Explain	1.1. Evaluate the	4.1. Explain the	Management	
	1.1. Explain, giving	government economic	importance of the role of	characteristics of	1.1. Identify the range of	
	appropriate examples,	objectives and	marketing in a particular	teamwork and give	communication methods	
	the range of business	policies.	organisation.	illustrations of teams	within an organisation and	
	organisation	1.2. Explain the effects	2.1. Explain the features	that work effectively	with external stakeholders	
	structures within	of the different	of the marketing	and less effectively.	and explain why and where	
Business	different sectors of	policies on business	planning process.	4.2. Explain the role of	these are used. 1.2.	
Studies	industry.	organisations.	3.1. Analyse with	the team leader in	Evaluate the different	
Knowledge	1.2 Analyse the	2.1. Explain different	examples, how a product	facilitating effective	methods of	
internetige	purpose and activities	types of	can be promoted to	teamwork.	communication.	
	of the main functions	unemployment.	satisfy a real or perceived	5.1. Explain the	2.1. Explain the barriers	
	of different business	2.2. Explain the effects	customer need.	purpose of delegation	that may exist within an	
	organisations.	of unemployment on	4.1. Analyse	and how to do it	organisation to (a) internal	
	1.3 Evaluate the	business organisations	characteristics of a	effectively using	and (b) external	
	organisational	and on the economy.	particular targeted	examples.	communication.	
	structure of different	3.1. Explain different	market.		2.2. Identify solutions to	
	business	causes of inflation.		Financial Budgeting	improve internal and	
	organisations.	3.2. Explain the effects	Management and	and Analysis	external communication.	
		of inflation on	Leadership			

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business organisations	1.1. Compare and	1.1. Prepare a sales	3.1. Explain how different	
and on the economy.	contrast leadership and	and production	types of data, including	
4.1. Explain the effects	management using	budget.	personal data, is obtained	
of international trade	specific illustrations.	1.2. Analyse problems	and recorded by an	
on business	2.1. Analyse the	when preparing a	organisation.	
organisations.	characteristics of	budget.	3.2. Explain the different	
	different styles of	1.3. Compare and	ways in which data is used	
	leadership.	contrast possible	by the organisation.	
	3.1. Evaluate the role of	changes in cost	3.3. Evaluate the	
	management in	2.1. Use formulae to	safeguards that may exist	
	managing change.	calculate break even	in an organisation to	
		point.	protect data, in particular	
		2.2. Construct a linear	personal data.	
		break-even chart from	4.1. Explain the current	
		given data, show profit	legislation that covers data	
		and loss regions of	protection.	
		break even chart and	4.2. Explain the key	
		read off profits and	requirements an	
		loss for different sales	organisation has to meet to	
		amounts.	be compliant with the	
		2.3. Analyse marginal	legislation.	
		costing as a		
		management	Business Financing	
		technique.	1.1. Explain a variety of	
		2.4. Explain	methods of financing	
		circumstances when	assess purchase including	
		marginal costing would	hire purchase, leasing and	
		be used by	leaseback, loans and	
		management.	bonds.	
		2.5. Carry out two	1.2. Compare and contrast	
		marginal costing	the strengths and	
		calculations.	weaknesses of the	
		3.1. Analyse the role of	different methods.	
		budgeting in	2.1. Explain a variety of	
		supporting	methods of financing	
		management to plan	working capital including	

				and control an organisation's activity. 4.1. Use a range of sources to construct a projected budget forecast including variance. 4.2. Calculate projected back balances including variance. 4.3. Analyse results of budget forecast and variance	overdrafts, factoring and invoice discounting. 2.2. Compare and contrast the strengths and weaknesses of the different methods. 3.1. Explain the cost of finance and its impact on the day to day activities of the company. 3.2. Use a cash flow technique to demonstrate the consequences to or for the company of two different scenarios e.g. high/low interest rates
• Business Studies Skills	Demonstrate knowledge of terms, concepts, theories, methods and models to show an understanding of how individuals and organisations are affected by and respond to business issues Apply knowledge and understanding to various business contexts to show how individuals and organisations are affected by and respond to issues	 Demonstrate knowledge of terms, concepts, theories, methods and models to show an understanding of how individuals and organisations are affected by and respond to business issues Apply knowledge and understanding to various business contexts to show how individuals and organisations are affected by 	 Demonstrate knowledge of terms, concepts, theories, methods and models to show an understanding of how individuals and organisations are affected by and respond to business issues Apply knowledge and understanding to various business contexts to show how individuals and organisations are affected by and respond to issues Analyse issues within business, showing an 	 Demonstrate knowledge of terms, concepts, theories, methods and models to show an understanding of how individuals and organisations are affected by and respond to business issues Apply knowledge and understanding to various business contexts to show how individuals and organisations are affected by and respond to issues 	 Demonstrate knowledge of terms, concepts, theories, methods and models to show an understanding of how individuals and organisations are affected by and respond to business issues Apply knowledge and understanding to various business contexts to show how individuals and organisations are affected by and respond to issues Analyse issues within business, showing an

	 Analyse issues within business, showing an understanding of the impact on individuals and organisations of external and internal influences Evaluate quantitative and qualitative information to make informed judgements and propose evidence- based solutions to business issues. 	 and respond to issues Analyse issues within business, showing an understanding of the impact on individuals and organisations of external and internal influences Evaluate quantitative and qualitative information to make informed judgements and propose evidence- based solutions to business issues. 	 understanding of the impact on individuals and organisations of external and internal influences Evaluate quantitative and qualitative information to make informed judgements and propose evidence-based solutions to business issues. 	 Analyse issues within business, showing an understanding of the impact on individuals and organisations of external and internal influences Evaluate quantitative and qualitative information to make informed judgements and propose evidence- based solutions to business issues. 	 understanding of the impact on individuals and organisations of external and internal influences Evaluate quantitative and qualitative information to make informed judgements and propose evidence-based solutions to business issues. 	
Engineering and Computer Science Knowledge	 Topics Sequential Programming Introduction to High- and Low- Level Languages Variables and Constants in Python Introduction to Algorithms Programming Environments Data Types 	TopicsDatabasesIntroduction to DatabasesRelational DatabasesDatabasesSetup TablesNormalisationDeveloping DatabasesQueriesReports and FormsFinal AssessmentHTML & CSS	 Topics Introduction to Digital Microelectronic Understand Logic Families and Logic Gates Understand Logic Families and Logic Gates Understand Combinational Logic Circuits Understand Sequential Logic Gates 	TopicsBasic Electronic Skills and MeasurementsUnderstand The Systems Approach to ElectronicsCircuit Assembly TechniquesUnderstand Circuit Assembly TechniquesUnderstand Layout of CircuitryUnderstand Test Equipment	Topics• Computer Networks• Introduction to the Internet• Introduction to Networks• Types of Networks• Types of Networks• Mini Assessment• Communication Methods• Understand Networking Devices• Understand Modes• Protocol Parameters of Electronic Communication	

 Designing algorithms for a sequential program. Creating and compiling a sequential program. Understanding how sequential programs meet the required specification. 	 relationship models. Understanding the principles of normalisation. Normalising a set of data to third normal form explaining and justifying the stages Planning queries, reports and test data. Understanding the purpose of HTML and CSS and the CSS selectors. Incorporating styling into a web page. Being able to use current HTML and CSS standards to create simple layout. 	 how to move and copy within two- dimensional drawings how to generate and retrieve library symbols how to use layers and drawing types how to apply the concept of solid modelling. 	 sequential logic circuits analogue to digital converters digital to analogue converters. Understanding: the physical properties of materials the mechanical properties of materials the composition, properties and applications of common engineering metals and their alloys the properties and applications of a wide range of plastics and allied materials. 	 circuit assembly techniques the layout of circuitry test equipment. Understand the principles of networking computers and the associated benefits. Understanding the operation and uses of modern data communication methods. Understand networking devices. Understand modes and protocol parameters of electronic communication. Understand the theoretical models of networking. 	
Topics	Topics	Topics	Topics	Topics	
Introduction to Primary and Secondary Sources Learning outcome 1: Understand the difference between primary and secondary sources.	Introduction to Law Learning outcome 1: Understand the difference between criminal and civil. 1.1. Explain with examples the difference	Introduction to Psychology Learning outcome 1: Understand the approaches/perspectives to psychology.	Introduction to Politics Learning outcome 1: Understand the role of key international political organisations. 1.1. Explain the role of at least two major	Ways of Living, Ways of Seeing: An Introduction to Social Anthropology Learning outcome 1: Understand the nature of Social Anthropology. 1.1. Analyse the nature of Social Anthropology.	

l !	1.1. Explain the	between civil and	1.1. Compare and	international		
Humanities	difference between	criminal law.	contrast two	organisations.	Learning outcome 2:	
	primary and secondary			or Barrisottoris.	Understand the nature of	
Knowledge	sources, giving a range of	Learning outcome 2:	psychological	Learning outcome 2:	anthropological fieldwork.	
	appropriate examples.	Understand the court	approaches/perspectives.	Understand the impact of	2.1. Explain the nature of	
	appropriate examples.	hierarchy in the English		recent developments in	anthropological fieldwork.	
	Learning outcome 2:	Legal system	Learning outcome 2:	international politics.		
	Interpret primary	2.1. Explain the	Understand the types of	2.1. Analyse the impact	Learning outcome 3:	
	sources.	structure, function and	research methods used	of developments in	Understand the relationship	
	2.1. Analyse a range of	procedures of a court	in psychology.	recent international	between a people's way of	
	primary sources in order	showing how superior	2.1. Explain different	politics.	living or mode of subsistence,	
	to develop a historical	courts bind those below.	types of research	ponties.	and their perceptions and	
	argument.		methods used in	Learning outcome 3:	values, in the context of two	
	2.2. Evaluate the	Learning outcome 3:		Understand the concept	societies.	
	relevance of the main	Understand the roles of	psychological research.	of global economic	3.1. Analyse the relationship	
	features of the	the legal profession in		relations.	between a people's way of	
	originator's situation	the legal process.	Learning outcome 3:	3.1. Explain key concepts	living or mode of subsistence,	
	(e.g. gender, class,	3.1. Compare and	Understand the	and of global economic	and their perceptions and	
	ethnicity, political	contrast the roles of	importance of ethics in	relations.	values, in the context of two	
	stance, public role) to	barristers, solicitors and	research.	3.2. Compare and	societies.	
	the interpretation of the	judges in the legal	3.1. Evaluate the	contrast the roles of two		
	source.	process including the	importance of ethical	major economic		
	2.3. Analyse the	impact of at least one	issues raised within	organisations in the		
	intended audience of the	recent reform on these	psychological research.	global economy.		
	source.	professions.	po) en el 8.000 i el 6000 en el 1			
	2.4. Analyse the					
	originator's motives for	Learning outcome 4:				
	producing the source	Understand the role of				
	considering both implicit	lay people in the legal				
	and explicit factors.	process.				
	2.5. Evaluate the	4.1. Evaluate the				
	significance of the	importance of the role				
	primary source relating	of Magistrates and juries				
	to its wider historical	in the English Legal				
1	context.	System.				

Humanities Skills	 Frame a purposeful question to provide focus when investigating information and/or ideas. Use a purposeful question or questions across a range of sources to include at least three types of sources e.g. books, text- books, newspapers, journals, magazines, scripts, e-books, websites and audio-visual material. Use specific reading techniques to explore specific texts, documents, data, etc (e.g. skimming, scanning, reviewing, summarising). 	 Understanding legal systems and branches of law. Analysing legal reasoning and principles. Evaluating ethical implications within legal frameworks. Applying legal knowledge to case studies and mock trials. Assessing the societal impact of laws and legal decisions. 	 Understanding key psychological theories and concepts. Analysing cognitive processes and human behaviour. Conducting psychological experiments and research. Interpreting and evaluating case studies. Reflecting on personal experiences and applying psychological principles. 	speeches and texts.3. Evaluating different forms of governance.4. Exploring the dynamics of power and political	 Analysing art movements and aesthetics. Interpreting symbolic meanings in artworks. Understanding the historical and cultural contexts of art. Appreciating different artistic styles and techniques. Critically evaluating the impact of art on society. 	
	Topics	Topics	Topics	Topics	Topics	BLETCHLEY PARK -
	CALCULATIONS 1	HANDLING DATA 1	RATIO AND PROPORTION	GRAPHS	PYTHAGORAS AND	CODES AND
	Place value and rounding	Sampling, organising	Proportion, Ratio and	Equation of a straight	TRIGONOMETRY	CIPHERS
	Adding and Subtracting	data.	Percentage change	line, Graphs of linear	Pythagoras' theorem,	
	Multiplying and dividing	Representing data using		functions,	Trigonometry 1 (Sine, Cosine	
				runctions,	Theorem incluy I (Sinc, cosine	
1	including decimals.	bar and pie charts	FACTORS, POWERS, AND	Equation of a straight	and Tangent ratios), Vectors	
	including decimals.	bar and pie charts Averages (mean, mode,	FACTORS, POWERS, AND ROOTS			
	including decimals. EXPRESSIONS	· ·		Equation of a straight		
		Averages (mean, mode,	ROOTS	Equation of a straight line, Linear and quadratic	and Tangent ratios), Vectors	
Maths	EXPRESSIONS	Averages (mean, mode, median) and measures	ROOTS Factors and multiples,	Equation of a straight line, Linear and quadratic functions, Properties of	and Tangent ratios), Vectors CALCULATIONS 2	
Maths Knowledge	EXPRESSIONS Simplifying expressions Laws/Rules of indices Expanding and	Averages (mean, mode, median) and measures of variation (range and interquartile range-IQR)	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions,	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and	
	EXPRESSIONS Simplifying expressions Laws/Rules of indices	Averages (mean, mode, median) and measures of variation (range and	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND INEQUALITIES	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions,	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and indices, Exact calculations,	
	EXPRESSIONS Simplifying expressions Laws/Rules of indices Expanding and factorising linear expressions	Averages (mean, mode, median) and measures of variation (range and interquartile range-IQR) FRACTIONS, DECIMALS AND PERCENTAGES	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND INEQUALITIES Solving linear equations	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions, Kinematic graphs. FORMULA Substitute values into	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and indices, Exact calculations, Standard form. COMBINED EVENTS	
	EXPRESSIONS Simplifying expressions Laws/Rules of indices Expanding and factorising linear expressions Adding, subtracting,	Averages (mean, mode, median) and measures of variation (range and interquartile range-IQR) FRACTIONS, DECIMALS AND PERCENTAGES Add, subtract, multiply	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND INEQUALITIES	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions, Kinematic graphs. FORMULA Substitute values into expressions, including	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and indices, Exact calculations, Standard form.	
	EXPRESSIONS Simplifying expressions Laws/Rules of indices Expanding and factorising linear expressions Adding, subtracting, multiplying, dividing, and	Averages (mean, mode, median) and measures of variation (range and interquartile range-IQR) FRACTIONS, DECIMALS AND PERCENTAGES Add, subtract, multiply and divide fractions	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND INEQUALITIES Solving linear equations Solving linear inequalities.	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions, Kinematic graphs. FORMULA Substitute values into expressions, including with positive and	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and indices, Exact calculations, Standard form. COMBINED EVENTS	
	EXPRESSIONS Simplifying expressions Laws/Rules of indices Expanding and factorising linear expressions Adding, subtracting, multiplying, dividing, and simplifying algebraic	Averages (mean, mode, median) and measures of variation (range and interquartile range-IQR) FRACTIONS, DECIMALS AND PERCENTAGES Add, subtract, multiply and divide fractions Mixed numbers	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND INEQUALITIES Solving linear equations Solving linear inequalities. EQUATIONS AND	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions, Kinematic graphs. FORMULA Substitute values into expressions, including with positive and negative integers	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and indices, Exact calculations, Standard form. COMBINED EVENTS Sets, Possibility spaces, Tree diagrams.	
	EXPRESSIONS Simplifying expressions Laws/Rules of indices Expanding and factorising linear expressions Adding, subtracting, multiplying, dividing, and	Averages (mean, mode, median) and measures of variation (range and interquartile range-IQR) FRACTIONS, DECIMALS AND PERCENTAGES Add, subtract, multiply and divide fractions Mixed numbers Equivalent fractions,	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND INEQUALITIES Solving linear equations Solving linear inequalities. EQUATIONS AND INEQUALITIES	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions, Kinematic graphs. FORMULA Substitute values into expressions, including with positive and negative integers Rearrange formulae to	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and indices, Exact calculations, Standard form. COMBINED EVENTS Sets, Possibility spaces, Tree diagrams. SEQUENCES	
	EXPRESSIONS Simplifying expressions Laws/Rules of indices Expanding and factorising linear expressions Adding, subtracting, multiplying, dividing, and simplifying algebraic fractions	Averages (mean, mode, median) and measures of variation (range and interquartile range-IQR) FRACTIONS, DECIMALS AND PERCENTAGES Add, subtract, multiply and divide fractions Mixed numbers	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND INEQUALITIES Solving linear equations Solving linear inequalities. EQUATIONS AND INEQUALITIES Solving linear equations	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions, Kinematic graphs. FORMULA Substitute values into expressions, including with positive and negative integers	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and indices, Exact calculations, Standard form. COMBINED EVENTS Sets, Possibility spaces, Tree diagrams. SEQUENCES Linear sequences, Finding nth	
	EXPRESSIONS Simplifying expressions Laws/Rules of indices Expanding and factorising linear expressions Adding, subtracting, multiplying, dividing, and simplifying algebraic	Averages (mean, mode, median) and measures of variation (range and interquartile range-IQR) FRACTIONS, DECIMALS AND PERCENTAGES Add, subtract, multiply and divide fractions Mixed numbers Equivalent fractions,	ROOTS Factors and multiples, Powers and roots, Surds LINEAR EQUATIONS AND INEQUALITIES Solving linear equations Solving linear inequalities. EQUATIONS AND INEQUALITIES	Equation of a straight line, Linear and quadratic functions, Properties of quadratic functions, Kinematic graphs. FORMULA Substitute values into expressions, including with positive and negative integers Rearrange formulae to	and Tangent ratios), Vectors CALCULATIONS 2 Calculating with roots and indices, Exact calculations, Standard form. COMBINED EVENTS Sets, Possibility spaces, Tree diagrams. SEQUENCES	

	Estimation and	Convert between	Colving linear simultanes	3D shapes, Plans and	
	Estimation and		Solving linear simultaneous	• •	
	approximation	fractions, decimals and	equations.	elevations, Volume of a	PROPORTIONALITY
	Calculator methods	percentages		prism.	Compound units, Converting
	Measures and accuracy.	Convert a terminating	PROBABILITY		between units, Direct and
		decimal to a fraction.	Experimental probability	HANDLING DATA 2	inverse proportion, Growth
	ANGLES AND		Calculating theoretical	Sampling, organising data	and decay
	POLYGONS	WORKING IN 2D	probabilities	Representing data using	
	Angles and lines	Work with angles and	Mutually exclusive events,	bar and pie charts	
	including angles on	bearings	probability trees, Venn	Averages (mean, mode,	
	parallel lines	Find areas and	diagrams.	median) and range	
	Triangles and	perimeters of 2D shapes		Frequency diagrams,	
	quadrilaterals	including composite		Average and spread,	
	Congruence and	shapes.		Scatter graphs and	
	similarity	Understand and work		correlation, Time series.	
	Angles in polygons.	with transformations of			
		2D shapes (Translation,			
		Reflection, Rotation and			
		Enlargement)			
	Apply the order of	Fluency in sampling	Fluency in solving	Fluency in drawing	Fluency in drawing graphs of
	operations.	techniques, organising	proportion, Ratio and	graphs of equation of a	equation of a straight line,
	Round to any power of	data.	Percentage change	straight line,	quadratic functions,
	10.		problems.	Fluency in drawing	properties of quadratic
	Round to decimal places	Representing data using		graphs of equation of a	functions, and kinematic
	and significant figures.	bar and pie charts,	Fluency in finding factors	straight line, quadratic	graphs,
	Use approximations to	finding averages (mean,	and multiples of numbers	functions, properties of	
	estimate.	mode, median) and	using factor trees,	quadratic functions, and	Effectively applying
	Find errors in estimating	measures of variation	accurately applying prime	kinematic graphs.	Pythagoras's theorem on right
Maths Skills	questions.	(range and interquartile	factorisation and Venn-		angle triangles to find missing
IVIALIIS SKIIIS		range-IQR).	diagrams to find HCF and	Substitute values into	sides, applying the
	Read and write numbers		LCM.	expressions and formula	trigonometric ratios (sine,
	in words and figures and	Fluency of numbers			cosine, and tangent –
	understand place value.	when dealing with	Solve simple linear	Change the subject of	SOHCAHTOA) to find missing
	Order decimals and	fractions, percentages	equations, show	formula, change the	sides and angles.
	negatives.	and decimals allowing	inequalities on number	subject of formula	
	Add and subtract	conversion and more	lines, write down whole	involving factorising.	Write column vectors and
	numbers, decimals and	complex problem	number values that satisfy		draw vector diagrams.
	negatives.	solving.	an inequality.		Add, subtract and find
		1	1		multiples of vectors.

Section A	Section A	Section B	Section B/C	Section C	
- Close Reading					
texts.	Academic reading	Academic reading	Academic reading	IELTS	Development of
- Paraphrasing	 Close reading 	 Close reading 	 Close reading 	Academic reading	Cultural Capital
-	exercises	exercises	exercises	- Close reading exercises	- British
IELTS	- Sentence	- Sentence Completion	- Sentence	- Sentence Completion	Museum
Academic reading	Completion	 Skim reading 	Completion	- Skim reading	- Hyde Park
 Close reading 	 Skim reading 	techniques	 Skim reading 	techniques	- Globe Theatre
exercises	techniques	 Upgrading your 	techniques	 Upgrading your 	- RAF Museum
- Sentence	 Upgrading your 	vocabulary	 Upgrading your 	vocabulary	
Completion	vocabulary	Academic writing	vocabulary	Academic writing	- Local football
 Skim reading 	Academic writing	- Paraphrasing	Academic writing	- Paraphrasing	match?
techniques	- Paraphrasing	 Graphs and diagram 	- Paraphrasing	- Graphs and diagram	
 Upgrading your 	 Graphs and 	languages	- Graphs and	languages	
vocabulary	diagram	- Useful phrases for	diagram languages	- Useful phrases for	Activities
Academic writing	languages	letter writing.	- Useful phrases for	letter writing.	- Bowling
- Paraphrasing	- Useful phrases for	- Double question	letter writing.	- Double question essay	- Restaurants
- Graphs and	letter writing.	essay	- Double question	- Personal statements	- Top Golf
diagram languages	- Double question	- Personal statements	essay	and CV.	
- Useful phrases for	essay	and CV.	- Personal	Speaking	
letter writing.	- Personal	Speaking	statements and CV.	- Speaking topic 'house'	
- Double question	statements and	- Speaking topic	Speaking	- Speaking using idioms	
essay	CV.	'house'	- Speaking topic	- Phonics	
- Personal	Speaking	- Speaking using	'house'	Listening	
statements and	- Speaking topic	idioms	- Speaking using	- Listening tips	
CV. Speaking	'house'	- Phonics	idioms - Phonics	- Phonics	
	 Speaking using idioms 	Listening		IELTS Bowision plans	
 Speaking topic 'house' 	- Phonics	 Listening tips Phonics 	Listening - Listening tips	IELTS Revision plans	
- Speaking using	Listening	- FIDILICS	- Phonics		
idioms	- Listening tips	IELTS Revision plans	IELTS Revision plans		
- Phonics	- Phonics				
Listening	IELTS Revision plans				
- Listening tips					
- Phonics					
IELTS Revision plans					

	IGCSE LANGUAGE -	
	Reading -	
	AO1 – Read and understand a variety of texts, selecting and interpreting information, ideas and perspectives.	
	AO2 – Understand and analyse how writers use linguistic and structural devices to achieve their effects.	
	AO3 – Explore links and connections and between writers' ideas and perspectives, as well as how these are conveyed.	
	Writing -	
	AO4 - Communicate effectively and imaginatively, adapting form, tone and register of writing for specific purposes and audiences.	
	AO5 – Write clearly, using a range of vocabulary and sentence structures, with appropriate paragraphing and accurate spelling.	
	Grammar and punctuation.	
	IELTS -	
	Academic reading	
	Academic writing	
	Speaking	
	Listening	
	<u>OCN</u> -	
English Skills	Finding and reading information	
	Frame a purposeful question to provide focus when investigating information and/ or ideas.	
	Use a purposeful question or questions across a range of sources to include at least three types of sources e.g books, texts books,	
	news journals, magazines, e-books, websites and audio visual material.	
	Use specific reading techniques to explore specific texts, documents, data, etc, (skimming, scanning, reviewing and summarising)	
	Explain the purpose and effect of implied meaning in a variety of texts.	
	Speaking and Listening skills	
	Speak clearly and confidently which suits the situation.	
	Vary tone and register appropriate to audience size and composition.	
	Maintain eye contact to monitor response from audience.	
	Use suitable audio-visual sensitively, giving time for audience to absorb audio-visual material before speaking again.	
	Listen for and analyse main points of information from presentations on a range of topics.	
	Respond affirmatively to the contributions of others in discussion.	
	Speak at some length in response to open or evaluate questions e.g in a job interview, appraisal, tutorial or following an oral	
	presentation.	
	Participate actively in discussion.	
	Challenge opposing views constructively.	
	Support your opinions with evidence.	

Ana Ess Ana Cov Incl Incl Bala Use Pro Wri Ack Topi e	alyse strategies for ay writing alyse the requireme ver the main points ude material from ude an introduction ance ideas and arg e linking sentences vide a conclusion v ite a detached, ball ite formal English a mowledge the wor	ents of the question or the own research. on which comments on the uments with evidence and in paragraphs to set the n which sums up the argume anced and objective. woiding emotive language k of other authors both du Topics	e task. Is. e subject and describes the tr d examples new ideas in the context of th ents and considers the implic e and colloquialisms. uring the essay and in a list o Topics	ne argument and the essan cations. f references. Topics	y as whole. Topics
ICT (nowledge ICT Solution ICT ICT ICT ICT ICT ICT ICT ICT ICT ICT	ern Technologies ems Architecture, hory & Storage The CPU function and characteristics of he CPU Memory Storage Assessment er-Security Wired Wireless vorks The Internet cocal Area Networks Wireless hetworking	 Wider-implications- of-digital-systems Systems Software and Security Network threats Identifying and preventing vulnerabilities Operating systems software Utility software Assessment 	 Planning-and- communication Ethical, Legal, Cultural, and Environmental Concerns Ethical and cultural issues Computer systems in the modern world Legislation and privacy Assessment Algorithms Computational thinking Searching algorithms Sorting algorithms Flow diagrams Pseudocode Interpreting, 	 Programming Programming concepts Program control flow (Sequence and selection) Iteration Arrays Functions and procedures Records and files Assessment 	 Data Representation Storage units and binary numbers Binary arithmetic and hexadecimal ASCII and Unicode Images Sound Compression Assessment

•	Client-server and peer-to-peer networks Protocols and layers Assessment		completing algorithms • Assessment		
And netw D to m facili tech - B mult inclu time • D mod can l mod can l mod com schee plan • D orga mod to co stake com platf social	Describe setting up using ad hoc works Describe changes nodern teams litated by modern nologies: Based worldwide, ticultural, usive, in different e zones, flexible Describe how dern technologies be used to nage modern ms: Collaboration tools, eduling and ming tools Describe how anisations use dern technologies ommunicate with techolders: munication forms (website, al media, email, te communication)	 Understand why systems are attacked Describe the external threats virus, Trojan, phishing and shoulder surfing Understand the internal threats of stealing or leaking information, overriding security controls and downloads from the internet and untrustworthy websites Understand the impact of security breaches including data and financial loss Describe user access restrictions including physical security measures and passwords Understand how computers are protected with anti- virus software 	 Explain how data is shared between organisations Understand the responsible use of data with respect to privacy Understand the impact of manufacture, use and disposal of IT systems on the environment Understand the importance of providing equal access to digital services and information To understand the purpose and use of acceptable use policies To understand the criminal use of computer systems including unauthorised access and modification of materials 	 To understand the purpose and use of acceptable use policies To understand Data protection principles To understand the criminal use of computer systems including unauthorised access and modification of materials 	 interpret a simple data flow diagram interpret an information flow diagram state the use of a flowchart draw a simple flowchart to describe the steps in an activity or process follow a simple flowchart to show what the output will be

Describe features	 Understand how 		
and uses of cloud	backups are used to		
storage including	recover data		
synchronisation of			
cloud and individual			
devices and availability			
(24/7)			
Describe features			
and uses of cloud			
computing including			
online applications			
and collaboration			
tools/features			
Describe how			
notifications are used			
in cloud and			
traditional systems			

IMPACT: UFP PATHWAYS and SUPPORT CURRICULUM:

The University Foundation Programme (UFP) is a valuable programme that has a significant impact on the academic and personal development of the students who choose to study one of the pathway courses that we offer. The UFP prepares students for undergraduate study at one of the 90+ universities which NLGS is affiliated with, providing them with the academic and language skills, subject-specific knowledge, and personal development necessary for success in higher education. The impact of the UFP can be seen in the following ways:

Academic achievement:

The UFP prepares students for undergraduate study by providing them with subject-specific knowledge and the academic skills necessary for success. As a result, UFP students often go on to achieve high grades in their undergraduate degree programmes.

Personal development:

The UFP provides students with opportunities to develop their personal skills and attributes, such as communication skills, critical thinking, and self-motivation. These skills are valuable not only for academic success but also for personal and professional development.

Cultural understanding:

The UFP provides an opportunity for international students to develop an understanding of UK culture and academic practices. This prepares them for the challenges of studying and living in a foreign country and facilitates their integration into UK university life.

Improved language skills: The UFP places a strong emphasis on language development, providing students with the opportunity to improve their English language skills. This not only prepares them for the language demands of undergraduate study but also enhances their employability and communication skills.

Enhanced employability:

The UFP provides students with the skills and knowledge necessary for success in higher education and the workplace. As a result, UFP graduates are highly sought after by employers, and many go on to successful careers in a wide range of fields.

Increased access to higher education:

The UFP provides a pathway to undergraduate study for students who may not have had the necessary qualifications or language proficiency to gain direct entry to a UK university. This increases access to higher education for a diverse range of students and promotes social mobility.

Overall, the impact of the UFP is significant and far-reaching, preparing students for success in higher education and the workplace, enhancing their personal and academic development, and promoting cultural understanding and social mobility. The UFP is a valuable programme that has the potential to transform the lives of its students and contribute to the development of a diverse and skilled workforce.