

Faculty	Subject	level	Term 1	Term 2	Term 3
English		N4	Reading Outcomes / Writing Outcomes L4 Literacy	Talking and Listening Outcomes L4 Literacy	N4 AVU L5 Literacy
		N5 / Higher	First draft folio – Creative / Discursive Scottish Set Texts RUAE skills & Practice	Critical Essay Texts and Skills Scottish Set Texts RUAE Skills and Practice Submission of 1 st folio piece	Prelim revision / prelim assessment Option / drafting of discursive 2 nd folio piece Possible 2 nd Critical Essay text RUAE Skills and Practice Folio submission
		Adv Higher	Literary Study Textual Analysis Folio Dissertation	Literary Study Textual Analysis Folio Dissertation	Literary Study Textual Analysis Folio Dissertation
Mathematics		N4	Numeracy Unit Reasoning Skills Interpretation of graphs and tables Probability	Expressions and Formula Unit Algebraic skills Geometrical skills Statistical skills	Relationships Unit Algebraic skills Trigonometric skills Pythagoras, scatter graph, straight line Added Value Unit** (SQA hiatus) Applying skills from the three units
		N5	Expressions and Formula Surds and indices Brackets and factorising Algebraic fractions Gradient and volume Arcs and sectors	Relationships Functions and inequations Parabola and quadratics 3D Pythagoras, angles and circles Trig graphs and equations Similarity** (SQA hiatus)	Applications Sine and cosine rules, area formula Fractions and percentages Standard Deviation and scatter graphs Vectors** (SQA hiatus)
		Higher	Differentiation Integration Polynomials and Circles Functions and Trigonometry	Trigonometric Equations Logs and exponentials Vectors** (SQA hiatus)	Prelim assessment Further Differentiation Further Integration The Wave Function
		Adv Higher	Partial Fractions Binomial Theorem Series and Sequences Differentiation and Integration Further Series and Sequences	Matrices Systems of Equations Further Calculus Complex Numbers	Number Theory Proof Differential Equations

Modern Languages	French	N4/5	<p><u>Society</u> Family & friends, Lifestyles, Media, Global languages, Environment, Life in Orkney vs Life in cities</p>	<p><u>Learning & Employability</u> Learning & Education, School in France, Preparing for exams Part-time jobs, Work experience and Future career</p>	<p><u>Culture:</u> Holidays & travel Planning a trip in a French speaking country French customs and traditions French Literature, Films & Television</p>
		Higher	<p><u>Society</u> Family relationships, teenage issues, impact of the digital age, Global languages, Environmental issues</p>	<p><u>Learning & Employability</u> School life & Importance of language learning Further education & future career Part-time job & gap year</p>	<p><u>Culture:</u> Francophonie (traditions & customs), holidays & travels, working abroad Multicultural society French Literature & Films</p>
		Adv Higher	<p><u>Society</u> New family structure, Marriage, Social influences & pressures Unemployment & Social issues Impact of the digital age Globalisation & Environmental issues</p>	<p><u>Learning & Employability</u> Importance of language learning, Choosing a university/career, gap year Telework, equality in the workplace, voluntary work, Changing work patterns</p>	<p><u>Culture:</u> Mobility in Europe, Living abroad Living in a multicultural society, prejudice & racism, customs & beliefs in France Literature of another country (Albert Camus) Film: La Haine by Mathieu Kassovitz</p>
	Spanish	N4/5	<p><u>Society</u> Family & friends, Lifestyles, Media, Global languages, Environment, Life in Orkney vs Life in cities</p>	<p><u>Learning & Employability</u> Learning & Education, School in Spain, Preparing for exams Part-time jobs, Work experience and Future career</p>	<p><u>Culture:</u> Holidays & travel Planning a trip in a Spanish speaking country Spanish customs and traditions Spanish Literature, Films & Television</p>
		Higher	<p><u>Society</u> Family relationships, teenage issues, impact of the digital age, Global languages, Environmental issues</p>	<p><u>Learning & Employability</u> School life & Importance of language learning Further education & future career Part-time job & gap year</p>	<p><u>Culture:</u> The Spanish speaking world, (traditions & customs of the hispanosphere), holidays & travels, working abroad Multicultural society Spanish & Latin American Literature & Films</p>
		Adv Higher	<p><u>Society</u> New family structure, Marriage, Social influences & pressures Unemployment & Social issues Impact of the digital age Globalisation & Environmental issues</p>	<p><u>Learning & Employability</u> Importance of language learning, Choosing a university/career, gap year Telework, equality in the workplace, voluntary work, Changing work patterns</p>	<p><u>Culture:</u> Mobility in Europe, Living abroad Living in a multicultural society, prejudice & racism, customs & beliefs in Spain Literature of another country (Federico Garcia Lorca)</p>
Science	Science	N4 Science	<p><u>Unit 1 – Fragile Earth</u> Metals – Reactivity/Properties/Uses/Alloys Energy – Types/Changes/Electricity</p>	<p><u>Unit 2 – Human Health</u> Health triangle/Measuring health /Heart/Lungs/Diet/Health claims</p>	<p><u>Unit 3 – Applications of Science</u> Electromagnetic spectrum/Fibre</p>

			generation/Renewables		optics/Phones/Risk management/Smart materials and their uses
					Assignment Plan and carry out an experiment and use it to write an assignment
	Physics	N5 Phy	Unit 1 – Electricity and Properties of Matter Electrical circuits/Energy and Power/Components/Heat/Gas laws	Unit 2 – Waves and Radiation Waves/Nuclear radiation/Using the nucleus Assignment Plan and carry out an experiment and use it to write an assignment (20% of final mark)	Unit 3 – Dynamics and Space Kinematics/Forces/Newton’s third law and Energy/Space exploration/Cosmology
		H Phy	Unit 1 – Our Dynamic Universe Motion/Energy/Power/Collisions/Momentum/Projectiles/Satellites/Special relativity/Expanding Universe/Big Band Theory	Unit 2 – Particles and Waves Electric fields/Standard model/Nuclear reactions/Wave properties/Refraction/Spectra	Unit 3 – Electricity Electrons and Energy/Electrons at work Assignment Plan and carry out an experiment and use it to write an assignment (worth 20% of the final mark)
		AH Phy	Unit 1 – Rotational motion and Astrophysics Kinematic relationships/Angular motion/Rotational dynamics/Gravitation/General relativity/Stellar physics	Unit 2 – Quanta and Waves Quantum theory/Particles from space/Simple harmonic motion/Waves/Interference/Polarisation of light Project Plan and Carry out an investigation and write it up (20% of final mark)	Unit 3 – Electromagnetism Fields/Circuits/Electromagnetism
	Biology	N5 Bio	Unit 1 – Cell Biology Cell structure/Transport/DNA/Proteins/Genetic engineering/Respiration	Unit 2 – Multicellular Organisms New cells/Control/Communication/Reproduction /Inheritance/Transport in plants and animals/Absorption Assignment Plan and carry out an experiment and use it to write an assignment (20% of final mark)	Unit 3 – Life on Earth Ecosystems/Distribution/Photosynthesis/Energy/ Food production/Evolution
		H Bio	Unit 1 – DNA and Genome DNA structure and replication/Gene expression/Cell differentiation/Mutations/Evolution/Seque	Unit 2 Metabolism and Survival Metabolic pathways/Respiration/Metabolic rate/Genetic and Environmental control of metabolism	Unit 3 – Sustainability and Interdependence Food supply/Plant growth/Productivity/Breeding/Crop

			ncing		protection/Animal welfare/Symbiosis/Social behaviour/Biodiversity
					<p>Assignment</p> Plan and carry out an experiment and use it to write an assignment (worth 20% of the final mark)
		H Human Bio	<p>Unit 1 – Human Cells Division/Differentiation/DNA replication/Gene expression/Mutations/Genomics/Metabolic pathways/Respiration/Energy in Muscle cells</p>	<p>Unit 2 – Physiology and Health Gametes/Fertilisation/Hormones in reproduction/ Fertility/Screening/Blood vessels/Heart/Cardiovascular disease/Blood glucose and Obesity</p>	<p>Unit 3 – Neurobiology and Immunology Nervous system/Cerebral cortex/Memory/Neurotransmitters/Body defenses/Immunisation/Clinical trials</p> <p>Assignment</p> Plan and carry out an experiment and use it to write an assignment (worth 20% of the final mark)
		AH Bio	<p>Unit 1 – Cells and Proteins Lab techniques/Proteins/Membranes/Communication and Signalling/Control of cell division</p>	<p>Investigative Biology Experimenting skills and Data handling skills leading into Project that is worth 20% of the final mark</p>	<p>Unit 2 – Organisms and Evolution Field techniques/Evolution/Variation/Sexual reproduction/Behaviour/Parasitism</p>
	Chemistry	N5 Chem	<p>Unit 1 – Chemical Changes and Structure Rates/Atomic structure/Bonding/Formulae/Acids</p>	<p>Unit 2 – Nature's Chemistry Alkanes/Alkenes /Alcohols/Carboxylic acids/Energy from fuels</p> <p>Assignment</p> Plan and carry out an experiment and use it to write an assignment (20% of final mark)	<p>Unit 3 – Chemistry in Society Metals/Plastics/Fertilisers/Nuclear Chemistry</p>
		H Chem	<p>Unit 1 – Chemical Changes and Structure Structure and Bonding/Trends in the Periodic table/Oxidising and Reducing agents</p>	<p>Unit 2 – Nature's Chemistry Hydrocarbons/Alcohols/Carboxylic acids/Esters/Fats/Oils/Soaps/Proteins/Fragrances/Oxidation of food</p>	<p>Unit 3 – Chemistry in Society Chemical Calculations/ Percentage yield/Rate/Equilibria/Chemical energy /Titrations</p> <p>Assignment</p> Plan and carry out an experiment and use it to write an assignment (worth 20% of the final mark)
		AH Chem	<p>Unit 1 - Inorganic Chemistry EM Spectrum/Orbitals/Ionisation/Shapes of molecules/Transition metals/Complexes</p>	<p>Unit 2 – Physical Chemistry Equilibrium/Acids+Bases/</p>	<p>Unit 3 – Organic Chemistry Orbitals and hybridisation+colour/Fission /Electrophiles+Neutrophiles/Ethers/Amines/Benz</p>

				Indicators+Buffers/Feasibility /Enthalpy/Kinetics	ene/ Stereochemistry,NMR and IR Spectroscopy/Pharmaceuticals
				Project Plan and Carry out an investigation and write it up (20% of final mark)	
	Science	Baccalau reate	Proposal and Plan for Interdisciplinary project	Carry out project: contact professionals, organise survey and analyse results in preparation for target audience	Present findings, evaluate the project and reflect on skills development throughout the project
	Geography	N4/5	Physical Geography Physical,weather, Glaciers and coasts	Human Geography Population, urban and rural	Global Issues- Environmental Hazards and Climate Change
		Higher	Physical- Biosphere, Atmosphere, Hydrosphere, Lithosphere	Human- Rural Land Degradation, Population, Urban	Global Issues-Development and Health, River Basin Management Geographical Application of Skills
		Adv Higher	Map interpretation, Gathering and Processing Techniques, Geographical Study, Geographical Issues Essay		
	History	N4/5	Migration and Empire	Atlantic Slave Trade	USA 1918-1968 Free at Last
		Higher	Britain 1850-1951	Scottish Wars of Independence	Appeasement and the Road to WW2
		Adv Higher	Russia: From Tsarism to Stalinism, 1914-1945		
	RE	N4/5	World Religion (Buddhism)	Morality and Belief (Justice)	Religious and Philosophical Questions (Origins)
		Higher	World Religion (Buddhism)	Morality and Belief (Justice)	Religious and Philosophical Questions (Origins)
		Adv Higher	Philosophy of Religion & Medical Ethics		
	Modern Studies	N4/5	Democracy in Scotland	Crime & Law in the UK	International Issue (Terrorism)

		Higher	Democracy in Scotland & UK	Crime & Law UK	International Issue (Underdevelopment)
		Adv Higher	Political Issues and Research Methods		
		Higher Politics	Political Theory	Political Systems	Political Parties and Elections
BTE	Admin	N4/5	IT: Spreadsheets, Databases, Word, Electronic Communication Theory: Role of Admin Assistant and Security topic	IT: Powerpoint, Internet research skills, Advanced Spreadsheets and Databases Theory: Customer Care, Health and Safety, Legislation	IT: Past paper practice plus SQA Assignment (3 hours) Theory: Organising a small scale event, exam technique and completing past papers N4 Comined Assessment and AV Unit
		Higher	IT: File Management, Word skills and Excel Units Theory: Time and Task management, effective team working units	IT: Database Unit, Advanced Excel formulae, PowerPoint and Electronic communication Theory: Legislation, Impact of ICT on working practices units.	IT: Exam practice and final IT assignment (2 hours) Theory: Customer Care and Methods of Communication topics. Command words and revision questions.
	Business	N4/5	Understanding Business: Small businesses; sources of finance and advice; stakeholders; business objectives Marketing: Customers	Understanding Business: Internal and External Factors; Marketing: Market Segments; Market Research; Marketing Mix (The 4 Ps); Product Lifecycle Operations: Production Methods	Operations: Inventory Management; Quality; Human Resources: Recruitment and Selection; Training; Motivation; Legislation. Finance: Sources; Break Even; Cash Budgeting; Income Statements AVU or Coursework (externally marked – 25% of final mark)
		Higher	Understanding Business: Role of Business in Society; Large Organisations; Objectives and Growth Marketing: Customers; Market Research	Marketing: The Extended Marketing Mix; Technology Operations: Labour and Capital Intensive; Inventory Management; Quality; Ethical and Environmental Issues	Human Resources: Workforce Planning; Training and Development; Motivation and Leadership; Employee Relations; Legislation Finance: Sources; Cash Budgets; Financial Statements; Ratios Coursework (externally marked – 25% of final mark)
	Accounts	N5	Introduction to Sole Traders Statements of Financial Position Cash Budgets and Spreadsheets Simple Income Statements Depreciation, Accruals and Prepayments	VAT Income Statements with Adjustments Break Even Methods of Payment - Wages Job Costing Business Documents and Ledger Accounts	# Inventory Valuation – FIFO and LIFO Investigating Accounts Calculating Accounting Ratios Using Accounting Ratios Trial Balance Dealing with errors in Ledger Accounts Coursework (completed on spreadsheet – worth c. 38% of final mark)
	Computing	N4/5	SDD Revisit Python software programming building on our S3 knowledge, with an emphasis on large challenges including real world job interview challenges.	WDD Built websites meeting customers user requirements using CSS stylings. Begin playing with JavaScript adding dynamic elements to websites	DDD Database design using a query language called SQL. Work with databases connected to website front-ends. Begin to mine data from multiple tables and investigate the world of 'big

					data'. Coursework to be handed in including SDD, WDD and DDD elements. Exam at National 5 only.
		Higher	SDD Solve complete real world problems using Python and develop our understanding of advanced methodologies including Functions and Objects.	WDD Build advanced website using HTML, CSS, and Javascript, focusing on front end development and covering the ground work to building our own CRUD website at AH.	DDD Understand advanced multi table database relationships, create complex queries to data mine information from a number of sources. Coursework to be handed in including SDD, WDD and DDD elements. Exam in May/June
		Adv Higher	SDD Develop your understanding of programming using Object Orientation. Look into performance specifications of standard algorithms and learn the fine detail of sorting and searching algorithms	WDD & DDD Develop a full stack website with database integration, combining skills from previously learned languages with new skills from a newly learned PHP language.	Personal Project Develop your own project with SDD/WWW/DDD skills, and integrate those skills with another area of understanding SDD/WWW/DDD. Work to real deadlines and deliver a solution to a real world problem.
Art		N4/5	Expressive Folio- Investigation studies Design Folio- Writing design brief. Gathering of Investigation and target market images Learning about the work of artists and designers	Expressive Folio- development of expressive ideas Design Folio- Development of design ideas. Knowledge whilst demonstrating Point, Evidence and Explain answering technique	N4- added Value Unit
		Higher			Create expressive final piece and write folio evaluation Make design outcome and write folio evaluation Continue written practice papers
		Adv Higher	Identify theme / project. Create investigation images. Write design brief Look at the work of inspirational artists/designers.	Create development of ideas. Analyse the work of one artwork or design work.	Continue with development and make final piece. Research into Social and Cultural Influences on chosen artist/ designer. Collate previous artists/ designer analysis and write 2000 word dissertation
		Higher Photo	Learning camera techniques. Principles of composition in photography	Genres and styles of composition in photography. Researching photographers. Begin photoshoots. Digital editing and manipulating of images.	Selecting and compiling images for final project. Written evaluation.
Music	Music	N4/5	Choose 1 st and 2 nd instruments Understanding Music: Scottish Dances / Styles Jazz & Blues Scottish Composing Literacy	Practicing 1 st and 2 nd instruments Understanding Music: Baroque to Modern styles Composing in specific genres Literacy	Finalising 1 st /2 nd instrument programmes for practical exam Understanding Music: Prelim in January Completing composition Practicing past UM papers
		Higher	Choose 1 st and 2 nd instruments Understanding Music:	Practicing 1 st and 2 nd instruments Understanding Music:	Finalising 1 st /2 nd instrument programmes for practical exam Understanding Music: Prelim in

			Baroque & Classical styles Classical Composition Literacy	Romantic to Modern Composition project Literacy	January Completing composition Practicing past UM papers
		Adv Higher	Choose 1 st and 2 nd instruments Understanding Music: Renaissance Composition practice Assignment preparation Literacy	Practicing 1 st and 2 nd instruments Understanding Music: 20 th C / Contemporary styles Composing in specific genres Assignment 1 st draft Literacy	Finalising 1 st /2 nd instrument programmes for practical exam Understanding Music: Prelim in January Completing assignment /composition Practicing past UM papers
		N4/5	Practical work: preparation for 1 st N5 project – choice of video, multi-track or radio show Understanding Music: Genres / Effects and Processes	First N5 project to be completed by Christmas including progress record / log Understanding Music: Preparation for UM Prelim in January	Second N5 project to be completed by Easter including progress record / log Understanding Music: Prelim in January Practicing past UM papers
	Music Tech	Higher	Practical work: preparation for assignment – stereo recording - multitrack work Understanding Music: Genres / Effects and Processes	Practical work: preparation and starting assignment Continued Understanding Music work / Preparation for Prelim in January	Understanding Music Prelim January Assignment to be finished by Easter Practicing past UM papers
	Drama	N4/5	Unit 1 Drama Skills: Creating/Rehearsing/Performing/ Evaluating group created plays Exploring Production Skills: Lighting/Sound/Set Design /Props/Costume/ Make-up and Hair	Unit 2 Production Skills: Applying Production Skills to a scripted performance Lighting/Sound/Set Design/Props/Costume/ Make-up and Hair Focus on theatrical terminology in preparation for written exam	Preparing for and sitting written prelim Rehearsing or Designing for the final practical performance Final Practical Performance - Actor/Design assessed by SQA Visiting Assessor
		Higher	Study of a Set Text in Context. Study of Arthur Miller's "The Crucible" in context – social/historical/cultural/theatrical. Exploring Acting, Directing and Design concepts through practical tasks Character profile PPT presented by pairs – ppts available on Teams for all pupils	Performance Analysis - Watching a live theatrical performance – discussing/analyzing all performance aspects Writing extended timed essays using a Study Guide and past paper questions – focus on structure and use of theatrical	Written Prelim covering Study of a Set Text and Performance Analysis Preparation for Final Practical Performance assessed by SQA Visiting Assessor - Actor/Director/Design Exam Preparation

			terminology Choice of interactive acting pieces finalised Choice of Text for Design finalised	
	Adv Higher	ADV H -Study of selected Theatre Practitioners - leading workshops to highlight their "mission for theatre" Drama Skills – creating, directing and presenting individual short plays Writing monologues and directing others to perform them. Reading a full play and performing monologues.	ADV H - Assignment preparation – analyzing a Theatrical Production- researching Practitioners involved – preparing for an extended response Dissertation research as an individual Choice of monologues and interactive acting pieces finalised – research whole plays	ADV H -Assignment completed during prelim diet in January Rehearsal and preparation for Final Practical Performance assessed by SQA Visiting Assessor - Actor/Director/Design Individual Dissertation projects - 3000 words-completed
	NPA	NPA - Drama Skills plus Roles and Responsibilities of a Theatre Production Team and Director Completing 2 written assessments Writing and presenting a monologue	NPA - Watching and analyzing two professional theatrical performances; preparation for written assignment Exploring the role of the Theatre Production Team in creating a production Choice of interactive acting pieces finalised – research whole plays	NPA – Written assignment completed during exam diet Interactive acting exam alongside the Advanced Higher candidates Evaluation of theatre skills in performance
PE	N4-H Practical	All levels completing teacher led personal development programme (PDP) focused on developing stamina within hockey and how this physical factor impacts performance. N5-H completing one off performances.	All levels completing pupil led personal development programme (PDP) focused on developing own identified weakness(es) within volleyball. N5-H completing one off performances.	N5-H completing one off performances.
PE	N4/5	N4: Introduction and focus on identify and describe questions. N5: Introduction and focus on identify, describe and explain questions.	N4: Developing knowledge of describing methods of data collection, factors impacting performance and approaches N5: Developing knowledge of describing and explaining methods of data collection and factors impacting performance.	N4: completing, reviewing PDP assessment paperwork N5: completing N5 portfolio assessment
	Higher	Review of describe and explain questions. Further developing structure and detail	Introduction and development of Evaluate and Analyse questions.	Exam preparation

		Adv Higher	<p>Section 1: Methods of data collection and variable impacting validity and reliability, Analysing data to identify strengths and weakness(es)</p>	<p>Section 2: Researching topic for project. Candidates should provide and analyse information on their chosen factor(s), approaches to train them and principles of training, Target setting, Personal Development Programme (PDP)</p>	<p>Section 4: Post PDP data analysis, Evaluating the PDP process Future development needs</p>
D and T	Practical Cooking	N4/5	<p>Introduction to Course</p> <p>Development of Practical skills & Techniques – range of dishes made, portioning, presentation skills - garnishing & Decorating, Sustainability – use of locally sourced and seasonal foods Current Dietary Advice – recent government information on healthy eating and dietary targets -individual dietary needs Recipe Costing exercises Organisation – Time Planning for 2 & 3 course meals, Service details – portioning, garnishing & decorating of food and service plates</p>	<p>Continued development</p> <p>Continued Development of Practical skills & Techniques – range of dishes Elementary Food Hygiene Course, Food for Health Course Prelim Practical Assessment task – 2 Course meal Organisation Assessment – Time plan for producing 2 course meal</p>	<p>Continued Development</p> <p>Continued Development of Practical skills & Techniques – range of dishes focused upon SQA Practical Exam Prelim: Written Exam</p> <p>N4 Unit Assessments</p> <p>N5 SQA Past papers</p> <p>SQA Assignment task – Time Plan for 3 course meal SQA Practical Assessment- Exam recipes available at the start of February</p>
	Practical Metal	N4/5	<p>Introduction and Course structure</p> <p>Bench skills</p> <p>Project 1: Toolbox, Sheet metal cutting and bending Project 2: Door latch, Bench skills hand tools</p> <p>Theory: Material props, Hand tools, bench skills.</p>	<p>Preparation for assignment</p> <p>Metalwork machining</p> <p>Project 3: Plumb bob, Machining Project 4: Cold Chisel, Thermal working</p> <p>Theory: Machine tools and processes.</p>	<p>Prelim and Assignment</p> <p>Prelim to test working knowledge of metalworking theory. Complete projects 1,2,3,4</p> <p>Assignment: the assignment tests the skills of all areas of the practical work already learned in the 3 previous projects. Bench skills, using hand tools and Machine tools. Log book to record progress.</p>
	Practical Wood	N4/5	<p>Introduction and Course structure</p> <p>Practice joints, Frame construction joints and the tools used to mark, cut and finish them.</p> <p>Project 1: Frame project, Tablet stand.</p>	<p>Preparation for assignment</p> <p>Practice joints, Carcase construction joints and the tools used to mark, cut and finish them.</p> <p>Project 2: Carcase project, Spice rack.</p>	<p>Prelim and Assignment</p> <p>Prelim to test working knowledge of woodworking theory. Complete projects 1,2,3.</p> <p>Assignment: the assignment tests the skills of all</p>

	Graph Comm		<p>Theory: Hardwoods, softwoods, hand tools</p>	<p>Project 3: Machine skills project, Side table. Theory: Manufactured boards, fixings and finishes, machine tools</p>	<p>areas of the practical work already learned in the 3 previous projects. Frame and Carcase construction, using hand tools and Machine tools. Log book to record progress.</p>
		N4/5	<p>Introduction to Graphics3D modelling and Orthographic Drawing.</p> <p>The pupils are introduced to the graphics industry and how it affects our everyday life. The first term focuses on 3D Modelling and associated drawings.</p> <p>Theory: The 3 P's (Preliminary, Production and Promotion) 3D modelling theory, Orthographic drawing, Computer illustration theory, Drawing standards, Pictorial drawings.</p> <p>Computer work/practical skills: Autodesk Inventor, Blender, Analytical Sketching, Orthographic sketching, Model plans</p>	<p>Introduction to Graphics, Desk-top publishing and Graphic design</p> <p>The focus in this term is Print media, Graphs and charts and how to use techniques to create visual impact in graphics.</p> <p>Theory: Graphic Design Elements and Principles, DTP features and effects, Vectors and Bitmaps, Printing</p> <p>Computer work/practical skills: Affinity Designer, Affinity Photo, Affinity Publisher, 2D design, Manual DTP planning (thumbnails and roughs)</p>	<p>Prelim and assignment</p> <p>Preparation for prelim and completion of the SQA set assignment.</p> <p>Prelim: Pupils are set questions on the theory learned in term 1 and 2.</p> <p>Assignment: The assignment combines all the theory and practical learned from the first two terms in the form of a cohesive project, generating the Preliminary, Production and Promotional graphics related to a product.</p>
		Higher	<p>Introduction to Graphics , 3D modelling and Orthographic Drawing.</p> <p>The pupils are introduced to the graphics industry and how it affects our everyday life. The first term focuses on 3D Modelling and associated drawings.</p> <p>Theory: The 3 P's (Preliminary, Production and Promotion) 3D modelling theory, Orthographic drawing, Computer illustration theory, Drawing standards, Pictorial drawings.</p> <p>Computer work/practical skills: Autodesk Inventor, Blender, Analytical Sketching, Orthographic sketching, Model plans</p>	<p>Introduction to Graphics, Desk-top publishing and Graphic design</p> <p>The focus in this term is Print media, Graphs and charts and how to use techniques to create visual impact in graphics.</p> <p>Theory: Graphic Design Elements and Principles, DTP features and effects, Vectors and Bitmaps, Printing</p> <p>Computer work/practical skills: Affinity Designer, Affinity Photo, Affinity Publisher, 2D design, Manual DTP planning (thumbnails and roughs)</p>	<p>Prelim and assignment</p> <p>Preparation for prelim and completion of the SQA set assignment.</p> <p>Prelim: Pupils are set questions on the theory learned in term 1 and 2.</p> <p>Assignment: The assignment combines all the theory and practical learned from the first two terms in the form of a cohesive project, generating the Preliminary, Production and Promotional graphics related to a product.</p>
		Adv Higher	<p>Skill and Knowledge development and</p>	<p>Skill and Knowledge development and</p>	<p>Prelim and continued work on Assignment</p>

Engineering		<p>consolidation.</p> <p>The pupils should have had exposure to the appropriate tools from previous years experience in the subject, such as 3D modelling Software, Rendering software, DTP software, Photo manipulation software.</p> <p>Knowledge developed through personal study using directed homework and project work.</p> <p>Assignment: the pupils will start their Assignment which will run for the entire year.</p>	<p>consolidation.</p> <p>The pupils should have had exposure to the appropriate tools from previous years experience in the subject, such as 3D modelling Software, Rendering software, DTP software, Photo manipulation software.</p> <p>Knowledge developed through personal study using directed homework and project work.</p> <p>Assignment: the pupils will start their Assignment which will run for the entire year.</p>	<p>The pupils theory will be tested through a preliminary exam early in the term.</p> <p>The pupils will continue with their assignment which generally needs to be completed by the end off the term. This requires a good amount of work including a presentation and a fully thought out project at Adv Higher level.</p>
	N5	<p>Unit 3</p> <p>Mechanisms & Structures</p> <p>Topics covered include: Gear trains, Pneumatic calculations and describing circuits, stress & strain calculations, free body diagrams, moments, materials</p>	<p>Unit 2</p> <p>Electronics & Control</p> <p>Topics covered include: Analogue - component symbols, describing circuits, Ohm's law calculations, Digital-AND,OR,NOT, Flowcharts, circuit simulation on Yenka</p>	<p>Unit 1</p> <p>Engineering Contexts & Challenges</p> <p>Topics covered include: skills & knowledge of Engineering disciplines, impacts of engineering, control diagrams, energy calculations, efficiency, conservation of energy</p> <p>Preliminary exam: pupils prepare for and underrtake formal assessment in the same style as final exams</p> <p>Assignment: The pupils will work through the SQA set assignment using skills built through the year.</p>
	Higher	<p>Unit 3</p> <p>Mechanisms & Structures</p> <p>Topics covered include: Gear trains, Pneumatic calculations and describing circuits, Youngs Modulus calculations, Universally distributed load, concurrent forces, nodal analysis</p>	<p>Unit 2</p> <p>Electronics & Control</p> <p>Topics covered include: Analogue - BJT, MOSFETS, Op Amps, complex ohm's law calculations, describing circuits, Digital-NAND,NOR,XOR, Flowcharts, Arduino programming</p>	<p>Unit 1</p> <p>Engineering Contexts & Challenges Topics covered include: skills & knowledge of Engineering disciplines, impacts of engineering, control diagrams, energy calculations, efficiency, conservation of energy</p> <p>Preliminary exam: pupils prepare for and underrtake formal assessment in the same style as final exams</p>

Fashion and Textiles	N5	<p>Introduction to Fashion and Textiles</p> <p>Tools and equipment: Machine Sewing, Hand Sewing and decorative techniques. Planning for making detailed fashion/textile items to a N5 quality.</p> <p>Practical activity; Machine sewing and hand sewing different techniques both construction and decorative.</p> <p>Project1: Wash bag</p>	<p>Fashion and Textiles theory</p> <p>Pupils will look at: Theory looking at understanding textile characteristics, properties and technologies. How to apply a detailed range of textile construction techniques, How to explain the factors that affect fashion and textile choices, being able to explain fashion and textile trends by understanding the history of the industry.</p> <p>Project 2: Shoulder bag</p>	<p>Assignment: The pupils will work through the SQA set assignment using skills built through the year.</p> <p>Evaluation, Investigation and Assignment.</p> <p>Pupils will be learning how to produce detailed evaluations of fashion and Textile items and developing detailed investigation and presentation skills.</p> <p>Assignment: Using the skills learned to produce a product to answer a brief set by the SQA.</p> <p>Prelim: Testing the understanding of the theory knowledge learned in previous terms.</p>
		Higher	<p>Introduction to Fashion and Textiles</p> <p>Tools and equipment: Machine Sewing, Hand Sewing and decorative techniques. Planning for making detailed fashion/textile items to a N5 quality.</p> <p>Practical activity; Machine sewing and hand sewing different techniques both construction and decorative.</p> <p>Project1: Wash bag</p>	<p>Fashion and Textiles theory</p> <p>Pupils will look at: Theory looking at understanding textile characteristics, properties and technologies. How to apply a detailed range of textile construction techniques, How to explain the factors that affect fashion and textile choices. Being able to explain fashion and textile trends by understanding the history of the industry.</p> <p>Project 2: Shoulder bag</p>
	N4/5	<p>Design theory</p> <p>Design theory: Analytical sketching, product analysis, Design Factors (Function, Performance, Marketing, Aesthetics, Ergonomics (physiology & psychology), Safety, Environment), History of design.</p> <p>Workshop theory: Safety, Basic Tools, practice joints Practice assignment folio.</p>	<p>Design theory and practice</p> <p>Design theory: Research techniques, Idea generation techniques, Development techniques, Technical drawing, Commercial Materials and manufacture, Environmental issues in Design and Manufacture.</p> <p>Workshop skills: model</p> <p>Practice assignment folio and practical work.</p>	<p>Prelim and assignment:</p> <p>Preliminary exam: pupils prepare for and undertake formal assessment in the same style as final exams</p> <p>Assignment: The pupils will work through the SQA set assignment using skills built through the year.</p>

		Higher	<p>Design theory</p> <p>Design theory: Analytical sketching, product analysis, Design Factors (Function, Performance, Marketing, Aesthetics, Ergonomics (physiology & psychology), Safety, Environment), History of design, Model making. Developing design language and analysis to a higher level through product analysis and exemplification.</p> <p>Homework in the form of exam style questions</p>	<p>Design theory and practice</p> <p>Design theory: Research techniques, Idea generation techniques, Development techniques, Technical drawing, Commercial Materials and manufacture, Environmental issues in Design and Manufacture. In-depth look at manufacturing processes and identifying features necessary at higher level again exemplified through product analysis and investigation</p> <p>Homework in the form of exam style questions</p>	<p>Prelim and assignment:</p> <p>Preliminary exam: pupils prepare for and undertake formal assessment in the same style as final exams</p> <p>Assignment: The pupils will work through the SQA set assignment using skills built through the year.</p>
PSE	S4	<p>Developing Resilience. Managing my online profile for future employment. Substances, Reputation and Future life choices.</p>	<p>Relationships – respect, being assertive and communication. Being Lesbian, Gay or Bisexual. Pregnancy choices. Young Parenting. Equality, feminism and sexual harassment. Going out and keeping safe. ORSAS input.</p>	<p>Study planning. Course choice. My education ambitions. Work choices at 16. Changing job markets. Applying for a job. CVs. Interviews. Standing out in a good way.</p>	
	S5	<p>Staying Motivated. Keeping Physically Healthy whilst Studying. Common mental health issues. Suicide Prevention. Money Matters. Budgeting.</p>	<p>Respectful and assertive communication in relationships. Gender diversity. Managing emotions. Ending intimate relationships safely. Sexual Relationships – my rights and the law. Substances and Risky Sexual Behaviour.</p>	<p>Study Plans. Course Choice. My career ambitions. Work or Study? Marketing yourself. Goal setting and contingency planning. Resilience. Safe driving. Safe Drive, Stay Alive.</p>	
	S6	<p>Preparing for the Future. Mental Well Being. Money Matters. Budgeting.</p>	<p>Respectful Relationships. Pregnancy and young parenthood. Birth plans. Child Protection. TMR. Alcohol misuse – personal and social consequences. Personal safety in relationships.</p>	<p>Managing exam stress. Taking a gap year. Managing mental health at university/employment. Healthy eating on a budget. Managing challenging relationships at work. Preparing to live independently. Young adult illnesses. Financial education.</p>	