



Year 12 & 13

Curriculum Booklet

2023-2024

Introduction to Sixth Form Curriculum

At Northwood School, we aim to provide a curriculum which:

- Is built upon an ethos of ambition and achievement for all its students
- Is as rigorous, enriching and broad as possible to allow students to deepen their knowledge in each subject
- Provides students with a multitude of opportunities to acquire, **engage** with and master the priority knowledge and essential skills for each subject
- Is well designed, sequenced and accessible to provide all students with a thorough foundation for future aspirations
- Empowers students to foster their own **independence** and exceed their own expectations by cultivating skills and developing new ones
- Endeavours to support and develop the students' ability to **co - operate** and communicate with others so that they are prepared their future careers
- Cultivate the development of students' confidence and **resilience** with the aim of allowing students to forge their desired futures
- Inspires students to take **pride** in their learning and instil an **enthusiasm** for lifelong learning

Currently, most of the subjects available in Northwood Sixth Form are academic A Level courses, complemented by a small selection of BTEC qualifications.

All our courses follow a linear curriculum with A Level exams in the summer of year 13. Although we regularly assess students' progress internally, students will not sit any external examinations until the end of their two-year course.

The Northwood Diploma

Alongside their academic study, all students complete the Northwood Diploma throughout year 12. This offers students a wealth of enrichment experiences which develop their independence and resilience. Crucially it allows them to acquire skills which they will need beyond the classroom and in the world of work.

The diploma is made up of four strands:

- **Community Service** (volunteering, prefect duties, running clubs/enrichment etc)
- **Intellectual Curiosity** (wider reading, lectures, Future Learn Courses etc)
- **Work Experience / career preparation** (work, university trips, summer courses etc)
- **Extra curricular activities** (sports, debate, film, drama, book club or any other extra-curricular pursuit)

The sixth form curriculum does not just start in September of year 12. Our students complete detailed and comprehensive transition work in the summer between their GCSEs and beginning their A Level courses.

Our aim is to provide an educational experience that inspires a lifelong love of learning and enables all students to become well rounded individuals.

Year 12 - At a Glance

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
English Literature	'The Handmaid's Tale', 'Othello'	'The Handmaid's Tale', 'Othello'	'Death of a Salesman', William Blake's 'Songs of Innocence and of Experience'	John Keats' poetry, William Blake continued, 'The Kite Runner'	Critical theory, 'The Kite Runner'	NEA/The Kite Runner
Maths	Surds and Indices; Constant Acceleration	Trigonometry Trigonometric Identities and Equations	Graphs and transformations Vectors	Forces and Motion Differentiation	Integration; Variable acceleration	Algebraic Methods (A2 Level)
	Quadratic Functions; Equations and Inequalities; Algebraic Methods	Straight Line graphs; Circles; Data Collection	Measures of location and spread; Representations of data; Correlation	Probability; Binomial Expansion; Binomial Distribution	Hypothesis Testing; Exponentials and Logarithms	Functions (A2 Level)
Further maths	Complex numbers Matrices Linear Transformations Proof	Algebra and functions Series Vectors Calculus	Vectors (FP1) Inequalities Momentum & Impulse Elastic Collisions in 1D	Conic Sections Further Trigonometry Work, Energy & Power	Further calculus Numerical methods 1	Further differential equations Elastic strings and springs Modulus Inequalities Conic Sections 2
Spanish	Unit 1: Traditional and modern values Film: <i>Ocho Apellidos Vascos</i>	Unit 3: Equal rights Film: <i>Ocho Apellidos Vascos</i>	Unit 2: Technology Unit 4: Influence of celebrities Film: <i>Ocho Apellidos Vascos</i>	Unit 5: Regional Identity in Spain Book: <i>La casa de los espíritus</i>	Unit 6: Cultural heritage Book: <i>La casa de los espíritus</i>	A2 Book Unit 1: Immigration Introduction to IRP Book: <i>La casa de los espíritus</i>
French	Unit 1: The evolving family Unit 4: Cultural heritage	Unit 2: Cyber society Unit 5: Francophone music	Unit 3: Volunteering Unit 6: The silver screen	Film: La Haine Book: L'Étranger	Film: La Haine Book: L'Étranger	Film: La Haine Book: L'Étranger
History	Britain 1918-97 USA, boom & bust				Protest & Reform Cold War Coursework	

Geography	Hazards Changing Places			Hazards Coasts	Changing Places Coasts NEA Fieldwork	
Biology	Biological molecules. Cell structure Transport across membranes Exchange	Nucleic acids. Cell recognition & immune system Exchange	DNA, genes & protein synthesis. Genetic diversity Mass transport	Nucleic acids. Cell recognition & immune system Biodiversity Mass transport	DNA, genes & protein synthesis. Genetic diversity	Revision Photo-synthesis Respiration
Chemistry	Physical Chemistry: Atomic Structure Amount of substance Bonding	Physical Chemistry: Oxidation, reduction and redox Organic Chemistry: Intro. to organic chemistry; Alkanes	Inorganic Chemistry: Periodicity; Group 2; Group 7 Organic Chemistry: Haloalkanes; Alkenes	Physical Chemistry: Energetics; Kinetics Organic Chemistry: Alcohols; Organic Analysis	Physical Chemistry: Energetics; Equilibria	REVISION (A2) Organic Chemistry: Nomenclature and Isomerism; Chromatography Physical Chemistry: Equilibria (A2) Inorganic Chemistry: Periodicity (A2) (Summer Homework)
Physics	Ch 1: Matter and radiation Ch 2: Quarks and Leptons Ch 3: Quantum phenomena Ch 12: Electric current	Ch 4: Waves Ch 5: Optics Ch 13: DC circuits	Ch 6: Forces in equilibrium Ch 7: On the move Ch 8: Newton's laws of motion	Ch 9: Force and momentum Ch 10: Work, energy & power	Ch 11: Materials Ch 17: Motion in a circle Revision	Ch 18: Simple harmonic motion Revision
Psychology	Paper 2: Approaches BioPsychology Research Methods	Paper 2: Research Methods Paper 1: Psychopathology	Paper 2: Research Methods Paper 1: Attachment	Paper 1: Social Influence Paper 2: Research Methods Paper 1: Memory	Paper 1: Memory Paper 2: Research Methods	Paper 2: Research Methods - statistics Paper 3: Issues and Debates
Politics	Democracy and participation The constitution	Political parties Parliament	Electoral systems Prime Minister and the executive	Voting behaviour Relations between the branches	Liberalism & Conservatism US Constitution	Conservatism (continued) and Socialism US Congress

Computer Science	Unit 1: Components of a Computer Unit 2: Programming constructs	Unit 1: System Software Unit 2: Programming	Unit 1: Data Types Unit 2: Algorithms	Unit 1: Networks Unit 2: Algorithms continued	Unit 1: Databases Unit 2: coding algorithms	End of year exam preparation Unit 3: NEA project
Business A level	Theme 1: Marketing & People	Theme 1: Marketing & People	Theme 2: Managing Business Activities	Theme 2: Managing Business Activities	Theme 1 Revision	Theme 2 Revision Commence Theme 3
Economics A level	Theme 1: Introduction to markets and market failure	Theme 1: Introduction to markets and market failure	Theme 2: The UK economy – performance and policies	Theme 2: The UK economy – performance and policies	Theme 1 Revision	Theme 2 Revision Commence Theme 4
Sport	Unit 2 - Fitness Training and Programming for Health, Sport and Well-being Unit 5 - Application of Fitness Testing		Unit 6 - Sports Psychology	Unit 6 - Sports Psychology Unit 4 - Sports Leadership	Unit 6 - Sports Psychology Unit 4 - Sports Leadership	Unit 4 - Sports Leadership
Art	Transformation			Transformation -essay preparation and responses in journal / sketchbook		
Design Technology Product Design	Skills based Practical Paper 1 - Technical Principles		Skills based Practical Paper 2 - Designing and Making Principles		NEA Coursework	

Year 13 - at a glance

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer
English Literature	NEA/Unseen Extracts for Social and Political Protest	Revision Social & Political Protest texts	Revision & essay skills		Revision Exams
Maths	Moments Forces and Friction; Applications of Forces	Differentiation	Integration	Vectors; Projectiles; Kinematics	Revision Exams
	Trigonometry; Trigonometric functions; Trigonometric Modelling	Regression, Correlation and Hypothesis testing; Probability; Sequences and Series;	Parametric Equations; Binomial Expansion	The Normal Distribution; Numerical Methods	Revision Exams
Further maths	Series 2 Taylor Series Methods in Calculus FP1 Simpson's Rule Further Vectors (2)	Complex Numbers 2 Hyperbolic Functions Polar Coordinates Methods in Calculus	Volumes of Revolution 2 Differential Equations	Differential Equations Reducible Differential Equations	Revision Exams
Spanish	Unit 1: Immigration Unit 2 - Racism Unit 3 - Integration Book: <i>La casa de los espíritus</i>	Unit 5 - History Book: <i>La casa de los espíritus</i>	Unit 4 - Political life Unit 6 - Political movements Finalise IRP	Revision Recap Film studies	Revision Recap Literary Work Exams
History	Britain 1918-97 Cold War coursework USA, boom & bust retrieval		Revision: Britain 1918-97 USA, boom & bust Protest & Reform		Revision: Britain 1918-97 USA, boom & bust Protest & Reform Exams
Geography	Water and Carbon Cycle Contemporary Urban Environments Non-Examined Assessment (NEA)		Global systems and Global governance Contemporary Urban Environments		Revision Exams
Biology	Section 5: Energy Transfer Respiration Energy & ecosystems	Section 7 Genetics, population, evolution and ecosystems	Section 8: Gene Expression, Recombinant DNA	Section 9: Skills in A level Biology Maths skills. Practical skills	Revision Exams

	<p>Section 6: Organisms respond to changes in their environment.</p> <p>Response to stimuli, Nervous coordination & muscles, Homeostasis.</p>	<p>Inherited Change. Populations & evolution Populations in Ec osystems</p>	<p>technology Section 9: Skills in A level Biology Maths skills. Practical skills</p>	<p>REVISION</p>	
Chemistry	<p>Inorganic Chemistry: Periodicity</p> <p>Physical Chemistry: Thermodynamics</p> <p>Organic Chemistry: Nomenclature & isomerism; Carbonyl Group</p>	<p>Physical Chemistry: Electrode potentials & electrochemistry; Kinetics</p> <p>Inorganic Chemistry: Transition metals; Reactions of inorganic compounds.</p>	<p>Physical Chemistry: Equilibria; Acids, bases & buffers</p> <p>Organic Chemistry: Aromatic compounds; Amines Polymerisation,</p>	<p>Organic Chemistry: Amino acids, Proteins & DNA; Organic synthesis & analysis; Structure Determination</p>	<p>Revision</p> <p>Exams</p>
Physics	<p>Simple harmonic motion Thermal physics Gases Gravitational fields</p>	<p>Electric fields Capacitors Magnetic fields</p>	<p>Electromagnetic induction Radioactivity</p>	<p>Options unit Astrophysics</p>	<p>Revision</p> <p>Exams</p>
Psychology	<p>Paper 3: Issues and Debates Paper 2: Research Methods Paper 3: Forensic Psychology</p>	<p>Paper 3: Forensic Psychology Paper 2: Research Methods Paper 3: Relationships</p>	<p>Paper 2: Research Methods Paper 3: Stress Consolidation of Paper 3</p>	<p>Consolidation of Paper 3 Consolidation of Paper 2 Consolidation of Paper 1</p>	<p>Revision</p> <p>Exams</p>
Computer Science	<p>Computing related legislation and social ethical, moral cultural impacts Algorithms NEA: Design</p>	<p>Compression, Encryption and Hashing, Boolean logic Computational methods NEA: Programming and Testing</p>	<p>Databases Revision and HTML,CSS and Javascript NEA: Programming and Testing</p>	<p>Paper 1 & 2 Revision NEA: Evaluation</p>	<p>Revision</p> <p>Exams</p>
Business A level	<p>Unit 3: Business decisions and strategy</p>	<p>Unit 3: Business decisions and strategy</p>	<p>Unit 4: Global business</p>	<p>Unit 4: Global business</p>	<p>Revision</p> <p>Exams</p>
Sport	<p>Unit 1 - Anatomy and Physiology Unit 3 - Professional Development in the Sports Industry</p>		<p>Unit 3 - Professional Development in the Sports Industry</p>	<p>Unit 10 - Sports Event Organisation Coursework Improvements</p>	

A-Level PE	Applied Anatomy & Physiology Exercise Physiology Biomechanics	Skill Acquisition Sports Psychology Contemporary Issues in Physical Activity and Sport	Coursework Exam Preparation	Practical Assessment Exam Preparation	Revision Exams
Art	Transformation Dev 1 & 2	Transformation -Final ideas/ outcomes	Externally Set Exam (1st Feb)	Externally Set Exam	
Design Technology Product Design	NEA Coursework - Design and Make Project			Paper 1 - Technical Principles Paper 2 - Designing and Making Principles	

SIXTH FORM PSHCE

Each year, our PSHCE offer for sixth form adapts and changes, depending on the needs of each year group. RE is covered within form time. Below is an indicative outline of what our students can expect to cover in PSHCE.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<p>Study Skills: an array of skills which tackle the process of organising and taking in new information, retaining information, or dealing with assessments</p> <p>Preparing for the world of work: work experience, CV writing</p>	<p>Peer Education Project: year 12 are trained up to plan and deliver a scheme of 5 lessons on mental health and wellbeing to the whole of year 7.</p> <p>Religious Education: exploring different faith attitudes to key issues</p>	<p>UCAS preparation: students complete an extensive programme to prepare them for university and/or apprenticeship applications.</p> <p>Religious Education: The changing face of religion in the world</p>
2nd Half Term topics	<p>Study Skills</p> <p>Mental Health & Wellbeing</p> <p>Religious Education: exploring the faith of others</p>	<p>Healthy Lifestyles, Relationships & Sex Education</p> <p>Financial Literacy & Skills</p> <p>Religious Education: exploring different faith attitudes to key issues</p>	<p>UCAS Prep</p> <p>Revision Skills</p> <p>Religious Education: The changing face of religion in the world</p>

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<p>UCAS: final application tweaks</p> <p>Preparing for the World of Work: External speakers, CV update, career research</p> <p>Religious Education: exploring the faith of others</p>	<p>Preparing for the World of Work: External speakers, CV update, career research</p> <p>Positive Mental Health</p> <p>Religious Education: exploring different faith attitudes to key issues</p> <p>Healthy Lifestyles, Relationships & Sex Education</p>	<p>Revision support</p> <p>Positive Mental Health</p> <p>Religious Education: The changing face of religion in the world</p>
2nd Half Term topics	<p>UCAS: final application tweaks</p> <p>Learning to Learn -</p>	<p>University Prep: student finance & accommodation</p> <p>Career Prep: Careers</p>	<p>School Leavers' Drop Down Day - students are</p>

	revision skills: making a revision timetable, setting realistic targets Religious Education: exploring the faith of others	Fair & Apprenticeship Week Religious Education: exploring different faith attitudes to key issues	invited back to school after their exams to celebrate the end of their time in school and prepare for life beyond Northwood.
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Subject: English Literature

Course Name & Exam board: A level English Literature B, AQA

Department Curriculum Vision:

Northwood students will develop their personal voice through a love of literature.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Aspects of Tragedy: 'Othello' Social and Political Protest: 'The Handmaid's Tale'	Aspects of Tragedy: 'Death of a Salesman' Social and Political Protest: 'Songs of Innocence and of Experience' by William Blake	NEA: Critical Theory Social and Political Protest: 'The Kite Runner'
Assessment	INITIAL ASSESSMENT to assess suitability for course choice	Aspects of Tragedy: Section B Social and Political Protest: Section B	Social and Political Protest: Section A and B
2nd Half Term topics	Aspects of Tragedy: 'Othello' Social and Political Protest: 'The Handmaid's Tale'	Aspects of Tragedy: poetry of Keats Social and Political Protest: 'Songs of Innocence and of Experience' by William Blake	NEA: Critical Theory Social and Political Protest: 'The Kite Runner'
Assessment	Aspects of Tragedy: Section A Social and Political Protest: Section B	Aspects of Tragedy: Section B Social and Political Protest: Section C	END OF YEAR EXAM

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	NEA: First draft Social and Political Protest: 'The Kite Runner' and Unseen section	Aspects of Tragedy: poetry of Keats and 'Othello' Social and Political Protest: 'The Handmaid's Tale'	Essay writing development
Assessment	Mini PPE 1: Social and Political Protest: Section A	Mini PPE 2: Aspects of Tragedy	A LEVEL EXAM
2nd Half Term topics	NEA: Development Social and Political Protest: 'Songs of Innocence and of Experience' by William	Aspects of Tragedy: 'Death of a Salesman' Social and Political Protest: 'The Kite Runner'	

	Blake		
Assessment	Full PPE 1: Social and Political Protest	Full PPE 2: Social and Political Protest Aspects of Tragedy	

Subject: Maths

Course Name & Exam board: A Level Mathematics (2017) - Edexcel

Department Curriculum Vision: Students will build on their GCSE knowledge to learn how to analyse patterns, structures and problems whilst developing a love for the subject.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Surds and Indices, Quadratic Functions, Constant Acceleration (M), Equations and Inequalities, Trigonometry, Trigonometric Identities and Equations, Algebraic Methods.	Representations of Data (S), Correlation (S), Probability (S), Forces and Motion (M), Differentiation, Binomial Expansion	Variable Acceleration (M), Exponentials and Logarithms
Assessment	INITIAL ASSESSMENT to assess suitability for course choice	Half-term assessment (content to date)	Practice AS-Level Exam
2nd Half Term topics	Straight Line Graphs, Graphs and transformations, Circles, Data collection (S), Measures of location and spread (S), Vectors	Binomial Distribution (S), Hypothesis Testing (S), Integration	<i>Revision of Y12 content prior to EOY exam.</i> Year 13 content Algebraic Methods, Functions.
Assessment	End of Term Assessment (content to date)	End of Term Assessment (content to date)	END OF YEAR EXAM

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Moments(M) Forces and Friction(M) Applications of Forces(M) Trigonometric Functions, Trigonometric Modelling (start),	Integration (M), Parametric Equations (S); Binomial Expansion (S)	REVISION
Assessment	Mini PPE 1: AS-LEVEL Exam	Mini PPE2: A-level Pure Exam	A LEVEL EXAM
2nd Half Term topics	Trigonometric Modelling (finish), Differentiation, Conditional Probability (S) Sequences and Series (S) The Normal Distribution(S)	Vectors (M), Projectiles(M), Kinematics(M), Hypothesis Testing (S); Numerical Methods (S)	

Assessment	Full PPE: Topics to date Exam	Full PPE 2: Full set of A Level papers	
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Subject: Further Maths

Exam board: Edexcel

Department Curriculum Vision: Northwood Students will challenge themselves whilst exploring more sophisticated mathematical concepts.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Complex numbers Matrices Proof	Vectors Coordinate systems Inequalities	Further calculus Numerical methods
Assessment	INITIAL ASSESSMENT to assess suitability for course choice	Vectors/Proof Exam	FP1 Topics Exam
2nd Half Term topics	Complex numbers Matrices Linear Transformations Proof Algebra and functions Series Vectors Calculus	Vectors (FP1) Inequalities Momentum & Impulse Elastic Collisions in 1D Conic Sections Further Trigonometry Work, Energy & Power	Further calculus Numerical methods 1 Further differential equations Elastic strings and springs Modulus Inequalities Conic Sections 2
Assessment	PPE 1 AS-level Core Maths	AS-level Core Maths	END OF YEAR EXAM FP1 /FM1 & Core

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Series 2 Taylor Series Methods in Calculus FP1 Simpson's Rule Further Vectors (2) Complex Numbers 2 Hyperbolic Functions Polar Coordinates Methods in Calculus	Volumes of Revolution 2 Differential Equations Differential Equations Reducible Differential Equations	REVISION
Assessment	PPE 1: FP1 Exam , FM1 Exam	PPE 2: Full Set Exams	A LEVEL EXAM
2nd Half Term topics	Polar coordinates Further algebra and functions (series) Differential equations	Elastic strings and springs and elastic energy	
Assessment	Full PPE 1: A-Level Core Exam	Full PPE 2: Core/FP1/Mechanics Exam	

Subject: Biology

Course Name & Exam board: AQA A level Biology (7402)

Department Curriculum Vision: Northwood students will be scientifically literate adults who:

- Can make informed personal decisions
- Engage with scientific news throughout their lives
- Have secure foundational knowledge that can be applied to any context.

Recommended resources: Oxford Press, AQA A level Biology, www.kerboodle.com

Compulsory: CGP, A-Level Biology Exam workbook AQA Year 1 & 2 Complete Revision & Practice

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<u>Biological Molecules</u> Ch 1: Biological molecules. Ch3: Cell structure Ch 4: Transport across membranes <u>Section 3: Organisms Exchange Substances with their Environment</u> Ch 6: Exchange	<u>Section 4: Genetic Information, Variation and Relationships between Organisms</u> Ch 8: DNA, genes & protein synthesis. Ch 9: Genetic diversity Section 3: Organisms Exchange Substances with their Environment Ch 7: Mass transport	<u>Section 4: Genetic Information, Variation and Relationships between Organisms</u> Ch 8: DNA, genes & protein synthesis. Ch 9: Genetic diversity <u>Section 5: Energy Transfer</u> Ch11 : Photosynthesis Ch12: Respiration Revision
Assessment	INITIAL ASSESSMENT to assess suitability for course choice	End of chapter tests Exam question practice	End of chapter tests Exam question practice
2nd Half Term topics	<u>Section 2: Cells</u> Ch 2: Nucleic acids. Ch 5: Cell recognition & immune system <u>Section 3: Organisms Exchange Substances with their Environment</u> Ch 6: Exchange	<u>Section 2: Cells</u> Ch 2: Nucleic acids. Ch 5: Cell recognition & immune system <u>Section 3: Organisms Exchange Substances with their Environment</u> Ch 10: Biodiversity Ch 7: Mass transport	<u>Section 5: Energy Transfer</u> Ch11 : Photosynthesis Ch12: Respiration REVISION.
Assessment	End of chapter tests Exam question practice	End of chapter tests Exam question practice	End of year exam - Paper 1 & paper 2

Year 13 Biology

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<u>Section 5: Energy Transfer</u> Ch 13: Energy & ecosystems <u>Section 6: Organisms respond to changes in their environment.</u> Ch 14: Response to stimuli, Ch 15: Nervous coordination & muscles, Ch 16: Homeostasis.	<u>Section 8: The control of gene expression</u> Ch 20: Gene Expression, Ch 21: Recombinant DNA technology <u>Section 9: Skills in A level Biology</u> Ch 22: Maths skills. Ch 23: Practical skills	REVISION.
Assessment	End of chapter tests Exam question practice Mini PPE 1 (AS Paper)	End of chapter tests Exam question practice Mini PPE 2 (A2 paper 1)	A LEVEL EXAM
2nd Half Term topics	<u>Section 7 Genetics, population, evolution and ecosystems</u> Ch 17: Inherited Change. Ch 18: Populations & evolution Ch 19: Populations in Ecosystems	<u>Section 9: Skills in A level Biology</u> Ch 22: Maths skills. Ch 23: Practical skills REVISION	
Assessment	End of chapter tests Exam question practice Full PPE AS and selective A2 content)	End of chapter tests Exam question practice Full PPE 2 Full PPE 2 (Paper 2 and 3)	

Subject: Chemistry

Course Name & Exam board: AQA A level Chemistry (7405)

Department Curriculum Vision: Northwood students will be scientifically literate adults who:

- Can make informed personal decisions
- Engage with scientific news throughout their lives
- Have secure foundational knowledge that can be applied to any context.

Recommended resources: Oxford Press, AQA A level Chemistry, www.kerboodle.com

Compulsory: CGP A-Level Chemistry exam workbook: AQA Year 1 & 2 Complete Revision & Practice

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<u>Physical Chemistry</u> Ch 1: Atomic Structure Ch 2: Amount of substance Ch 3: Bonding Ch 5: Kinetics	<u>Physical Chemistry</u> Ch 4: Energetics Ch 6: Equilibria <u>Organic Chemistry:</u> Ch 13: Haloalkanes Ch 14: Alkenes	<u>Inorganic Chemistry:</u> Ch 8: Periodicity Ch 9: Group 2, Ch 10: Group 7
Assessment	INITIAL ASSESSMENT to assess suitability for course choice	End of chapter tests Exam question practice	End of chapter tests Exam question practice
2nd Half Term topics	<u>Physical Chemistry</u> Ch 4: Energetics, <u>Organic Chemistry.</u> Ch 11: Intro. to organic chemistry Ch 12 & 13: Alkanes & Haloalkanes	<u>Physical Chemistry:</u> Ch 7: Oxidation, reduction and redox. <u>Organic Chemistry:</u> Ch 15: Alcohols Ch 16: Organic Analysis	REVISION <u>Organic Chemistry:</u> Ch 16 & Ch 32: Organic analysis with NMR(A2)
Assessment	End of chapter tests Exam question practice	End of chapter tests Exam question practice	End of year exam - Paper 1 & paper 2

Year 13 Chemistry

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<u>Physical Chemistry:</u> Ch 18: Kinetics Ch 17: Thermodynamics <u>Organic Chemistry:</u> Ch 25: Nomenclature & isomerism Ch 26: Carbonyl Group Ch 27: Aromatic compounds	<u>Physical Chemistry:</u> Ch 20: Electrode potentials & electrochemistry <u>Organic Chemistry:</u> Ch 30: Amino acids, proteins & DNA Ch 31: Organic synthesis & analysis	REVISION
Assessment	End of chapter tests Exam question practice Mini PPE 1 (AS)	End of chapter tests Exam question practice Mini PPE 2 (A2 paper 1)	A LEVEL EXAM
2nd Half Term topics	<u>Physical Chemistry:</u> Ch 17: Thermodynamics Ch 19: Equilibria <u>Organic Chemistry:</u> Ch 28: Amines Ch 29: Polymerisation	<u>Physical Chemistry:</u> Ch 21: Acids, bases & buffers <u>Inorganic Chemistry:</u> Ch 22: Periodicity, Ch 23: Transition metals Ch 24: Reactions of (aq) inorganic compounds. REVISION	
Assessment	End of chapter tests Exam question practice Full PPE (AS and selective A2 Paper)	End of chapter tests Exam question practice Full PPE 2 Full PPE 2 (A2 Paper 2 and 3)	

Subject: Physics

Course Name & Exam board: AQA A level Physics (7408)

Department Curriculum Vision: Northwood students will be scientifically literate adults who:

- Can make informed personal decisions
- Engage with scientific news throughout their lives
- Have secure foundational knowledge that can be applied to any context.

Recommended resources: Oxford Press, AQA A level Physics, www.kerboodle.com

Compulsory: CGP A-Level Physics exam workbook, AQA Year 1 & 2 Complete Revision & Practice

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<u>Section 1: Particles and radiation</u> Ch 1: Matter and radiation Ch 2: Quarks and Leptons Ch 3: Quantum phenomena <u>Section 4: Electricity</u> Ch 12: Electric current	<u>Section 3: Mechanics and materials</u> Ch 6: Forces in equilibrium Ch 7: On the move Ch 8: Newton's laws of motion	<u>Section 3: Mechanics and materials</u> Ch 11: Materials Revision
Assessment	INITIIAL ASSESSMENT to assess suitability for course choice	End of chapter tests Exam question practice	End of chapter tests Exam question practice
2nd Half Term topics	<u>Section 2: Waves and radiation</u> Ch 4: Waves Ch 5: Optics <u>Section 4: Electricity</u> Ch 13: DC circuits	Ch 9: Force and momentum Ch 10: Work, energy & power	<u>Section 6: Further mechanics and thermal physics</u> Ch 17: Motion in a circle Ch 18: Simple harmonic motion
Assessment	End of chapter tests Exam question practice	End of chapter tests Exam question practice	End of year exam - Paper 1 & paper 2

Year 13 Physics

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<u>Section 6: Further mechanics and thermal physics cont.</u> Ch18: Simple harmonic motion Ch 19: Thermal physics Ch 20: Gases <u>Section 7: Fields</u> Ch 21: Gravitational fields	<u>Section 7: Fields cont.</u> Ch 25: Electromagnetic induction <u>Section 8: Nuclear physics</u> Ch 26: Radioactivity	Revision
Assessment	End of chapter tests Exam question practice Mini PPE 1 (AS paper)	End of chapter tests Exam question practice Mini PPE 2 (A2 Paper 1)	Exam question practice/PPE's A LEVEL EXAM
2nd Half Term topics	Ch 22: Electric fields Ch 23: Capacitors Ch 24: Magnetic fields	Ch 27: Nuclear energy Section 9: Options units Students will study one of the following units: <ul style="list-style-type: none"> - Astrophysics - Medical physics - Engineering physics - Turning points in physics - Electronics 	
Assessment	End of chapter tests Exam question practice Full PPE (AS and selective A2 content)	End of chapter tests Exam question practice Full PPE 2 (A2 Paper 2 and 3).	

Subject: Psychology

Course Name & Exam board: Entry code: 7182 & AQA

Department Curriculum Vision: Building on from GCSE Biology and Maths, there are skills that overlap into the A-level specification that can be used to strengthen your knowledge and understanding. You should also be able to leave the course armed with skills that will enable you to write your dissertation at university, including laboratory reports/journal articles. It is hoped that you take your learning and appreciation of Psychology beyond the textbook so that you can see its value in the mundane and in the extraordinary. Most of all, the intention of this course is to be able to apply it to everyday life so that you have a healthy appreciation about mental health, social behaviour as well as an understanding about the brain and body from a neurological lens.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Paper 2: Approaches BioPsychology Research Methods	Paper 2: Research Methods Paper 1: Attachment	Paper 1: Memory Paper 2: Research Methods
Assessment	INITIAL ASSESSMENT to assess suitability for course; other timed assessments	Paper 1 PPE inc. other timed assessments	Paper 1 and Paper 2 PPE inc. other timed assessments
2nd Half Term topics	Paper 2: Research Methods Paper 1: Psychopathology	Paper 1: Social Influence Paper 2: Research Methods Paper 1: Memory	Paper 2: Research Methods - statistics Paper 3: Issues and Debates
Assessment	Paper 2 PPE inc. other timed assessments	Paper 1 and Paper 2 PPE inc. other timed assessments	END OF YEAR EXAM: Paper 1 & Paper 2 inc. other timed assessments

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Issues and Debates Research Methods Relationships	Research Methods Stress Consolidation of Paper 3	Consolidation of Paper 2 Consolidation of Paper 3 Consolidation of Paper 1
Assessment	Mini PPE: Paper 1 & 2	Timed assessments to consolidate past (paper 1 & 2) and current content: Paper 3 (Stress, Relationships & Forensic Psychology)	A LEVEL EXAMS
2nd Half Term topics	Relationships Research Methods Forensic Psychology	Consolidation of Paper 3 Consolidation of Paper 2 Consolidation of Paper 1	
Assessment	PPE: Paper 2 (Research Methods) & Paper 3 (Issues & Debates, Relationships & Forensic Psychology)	Full PPE 2: Paper 1, 2, 3	

Subject: Geography

Course Name & Exam board: AQA A level Geography 7037

Department Curriculum Vision: Northwood Geographers are **globally minded** students with a **robust knowledge** and awareness of the human and physical processes that shape our world. Northwood Geographers share a **concern for the many dynamic inequalities** in the world, and cultivate a **passion for innovation and progress**. Northwood Geographers learn to **find their voice in the great debates** of our time, for example population growth, climate change, and resource security. They are able to **make sense of the world** they live in, and feel empowered to become a **proactive part** of shaping it.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Hazards Water and Carbon Cycle	Hazards Water and Carbon Cycle	Coastal Landscapes Changing Places
Assessment	INITIIAL ASSESSMENT to assess suitability for course choice	Exam questions timed	Full Paper 1 exam
2nd Half Term topics	Hazards Water and Carbon Cycle	Hazards Coasts	Coastal Landscapes Changing Places NEA Fieldwork
Assessment	Hazards Water and Carbon Cycle	Hazards Water and Carbon Cycle	END OF YEAR EXAM Hazards Water and Carbon Changing Places NEA Proposal

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Changing Places Contemporary Urban Environments Non-Examined Assessment (NEA)	Global systems and Global governance Contemporary Urban Environments	Revision
Assessment	Mini PPE 1: Paper 1 and 2 practice questions to time	Mini PPE 2: Paper 1 and 2 practice questions to time	A LEVEL EXAM
2nd Half Term topics	Changing Places Contemporary Urban Environments Non-Examined Assessment (NEA)	Contemporary Urban Environments Revision	
Assessment	Full PPE 1: Full Paper 1 and part of Paper 2 NEA Due	Full PPE 2: Paper 1 and Paper 2	

Subject: History

Exam board: Edexcel

Department Curriculum Vision: Students will develop a deep understanding of historical concepts and the events and people of the past. This will enable them to better understand today's world, to think critically and to have empathy and compassion for other people.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Protest & Reform 1780-1928: Reform of parliament Impact of reform USA, boom & bust: Boom & crash, 1920-29	Protest & Reform 1780-1928: Chartism Contagious Diseases Acts USA, boom & bust: Impact of the New Deal and WW2 on the USA	Britain 1918-97: Welfare state Society in transition Cold War Coursework: Key events
Assessment	Initial Assessment to assess suitability for course.	Timed exam questions.	Timed exam questions.
2nd Half Term topics	Protest & Reform 1780-1928: Impact of reform Radical reformers USA, boom & bust: Depression & New Deal	Protest & Reform 1780-1928: The Suffragettes Trades union militancy, 1915-27 USA, boom & bust: The transformation of the USA, 1945-54	Britain 1918-97: Society in transition (continued) Quality of life Cold War Coursework: Historians & perspectives
Assessment	Timed exam questions.	Timed exam questions.	END OF YEAR EXAM

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Protest & Reform 1780-1928: Impact of reform Radical reformers Cold War Coursework: Writing CW	Protest & Reform 1780-1928: The Suffragettes Trades union militancy Revision: Britain 1918-97 USA, boom & bust.	Revision: Britain 1918-97. Parliamentary reform. USA, boom & bust.
Assessment	Mini-PPE: Protest & Reform	PPE: USA, boom & bust.	A LEVEL EXAM
2nd Half Term topics	Protest & Reform 1780-1928: Chartism Contagious Diseases Acts Cold War Coursework: Writing CW Revision & Retrieval: USA, boom & bust.	Revision: Britain 1918-97. Parliamentary reform. USA, boom & bust.	
Assessment	PPE: Protest & Reform	PPE: Britain 1918-97	

Subject: A-Level Business (Edexcel)

Department Curriculum Vision: Business covers a wide range of content: accounting, finance, operations, marketing, communications, leadership. Business students study the buying, selling, and producing of goods, as well as business organisation and accounting. Questions they explore include-how can a business reduce costs? Maximise profits? Grow? These are just some of the questions you will explore. Given that students study across a wide range of units (from Finance, to Marketing etc), they should want to become a leader in their field and/or have a desire to set up their own business.

Year 12 - A-Level Business

Course Name & Exam board: A-level Business (Pearson Edexcel), 2015 specification

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Theme 1: Marketing & People 1.1 Meeting customers needs 1.2 Market (1.3 Marketing Mix & Strategy)	Theme 2: Managing Business Activities 2.1 Raising Finance 2.2 Financial planning 2.3 Managing Finance	Revision on Theme 1: Marketing & People
Assessment	INITIIAL ASSESSMENT to assess suitability for course choice. MUA	Theme 2 MUA	Theme 1 Past Paper
2nd Half Term topics	Theme 1: Marketing & People 1.3 Marketing Mix & Strategy 1.4 Managing People 1.5 Entrepreneurs & Leaders	Theme 2: Managing Business Activities 2.4 Resource Management 2.5 External Influences	Revision on Theme 2: Managing a Business Comence Theme 3: Business Decisions & Strategy
Assessment	Theme 1 EUA	Theme 2 EUA	Theme 2 Past Paper

Year 13 - A-Level Business

Course Name & Exam board: A-level Business (Pearson Edexcel), 2015 specification

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Theme 3: Business decisions and strategy This theme develops the concepts introduced in Theme	Theme 4: Global business This theme develops the concepts introduced in Theme 1. Students will develop an understanding of:	Revision on Theme 1: Marketing & People And Theme 2: Managing business activities

	<p>2. Students will develop an understanding of:</p> <ul style="list-style-type: none"> • business objectives and strategy • business growth • decision-making techniques 	<ul style="list-style-type: none"> • globalisation • global markets and business • expansion 	
Assessment	Theme 3 MUA	Theme 4 MUA	Synoptic MUA (Past Paper)
2nd Half Term topics	<p>Theme 3: continued...</p> <ul style="list-style-type: none"> • influences on business decisions • assessing competitiveness • managing change. 	<p>Theme 4 continued...</p> <ul style="list-style-type: none"> • global marketing • global industries and companies • (multinational corporations). 	Revision on Theme 3 Business decisions and strategy & 4 Global business
Assessment	Theme 2 and 3 PPE	Theme 1 and 4 PPE	Synoptic PPE (Past Paper)

Subject: A-Level Economics (Edexcel)

Department Curriculum Vision: Economists conduct research, prepare reports, or formulate plans to aid in the solution of economic problems arising from production and distribution of goods and services. Eg how can the Government reduce unemployment? How to reduce global warming? How to increase the prosperity of all people in society?

Year 12 - A-Level Economics

Course Name & Exam board: A-level Economics (Pearson Edexcel), 2015 specification

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Theme 1: Introduction to markets and market failure <ul style="list-style-type: none"> • nature of economics • how markets work 	Theme 2: The UK economy – performance and policies <ul style="list-style-type: none"> • measures of economic performance • aggregate demand • aggregate supply • national income 	Revision on Theme 1: Introduction to markets and market failure
Assessment	INITIAL ASSESSMENT to assess suitability for course choice. MUA	Theme 2 MUA	Theme 1 Past Paper
2nd Half Term topics	Theme 1: Introduction to markets and market failure...cont: <ul style="list-style-type: none"> • market failure • government intervention. 	Theme 2: The UK economy – performance and policies ...cont <ul style="list-style-type: none"> • economic growth • macroeconomic objectives and policy. 	Revision on Theme 2: The UK economy – performance and policies Comence Theme 4: A global perspective
Assessment	Theme 1 EUA	Theme 2 EUA	Theme 2 Past Paper

Subject: Spanish

Course Name & Exam board: A-level Spanish (AQA), 2016 specification

Department Curriculum Vision: Studying a foreign language encourages respect for others and increases our understanding of society. It advocates for greater tolerance and provides us with a unique opportunity to grow in awareness, enhance our mental agility and consider different perspectives. Our aim for our students is to achieve full fluency in Spanish and gain a profound cultural understanding of the Hispanic world.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	(A1) Unit 1: Traditional & Modern Values Start the study of the film: Ocho Apellidos Vascos	(A1) Unit 2: Technology Unit 4: Influence of celebrities Finish the study of the film: Ocho Apellidos Vascos	(A1) Unit 6: Cultural Heritage Continue the study of the book: La casa de los espíritus
Assessment	Paper 1 exam tasks on Unit 1 covering all four skills.	Paper 1 exam tasks on Units 2 and 4 covering all four skills. Mini PPE: ½ Paper 2 (film essay)	Paper 1 exam tasks on Unit 6 covering all four skills.
2nd Half Term topics	(A1) Unit 3: Equal Rights Continue the study of the film: Ocho Apellidos Vascos	(A1) Unit 5: Regional Identity in Spain Start the study of the book: La casa de los espíritus	(A2) Unit 1: Immigration Continue the study of the book: La casa de los espíritus Introduction to the IRP (Independent Research Project)
Assessment	Paper 1 exam tasks on Unit 3 covering all four skills.	Paper 1 exam tasks on Unit 5 covering all four skills.	PPE: <ul style="list-style-type: none"> • AS Paper 1: Listening, reading and writing (105 mins) • A Level Paper 2 (½): Essay on the film (1hr) • A Level Paper 3 (½): Stimulus card only (5 mins. prep + 5-6 mins speaking)

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	(A2) Unit 1 - Immigration (complete) Unit 2 - Racism Unit 3 - Integration Continue the study of the book: La casa de los espíritus	(A2) Unit 4 - Political life Unit 6 - Political Movements Complete IRP	Revision Recap Book <i>La casa de los espíritus</i>
Assessment	PPE1: Paper 2 (Essay on book) Paper 1 exam tasks on Unit 2 & 3 covering all four skills.	Listening, Speaking, Reading and Writing - selected tasks on Units 1-6	A-level Exams
2nd Half Term topics	(A2) Unit 5 - Monarchies & Dictatorships (History) Complete the study of the book: La casa de los espíritus	Revision Recap Film <i>Ocho Apellidos Vascos</i>	Revision
Assessment	PPE2: Paper 1 (Listening, Reading and Writing) Paper 2 (Essay on book & film) Paper 3 (Speaking) Selection of tasks from Kerboodle assessments covering all four skills	PPE3: <ul style="list-style-type: none"> • Paper 1 (Listening, Reading and Writing) • Paper 2 (two essays, on literary book and film) • Paper 3 (Speaking - stimulus card, and IRP) 	A-level Exams

Subject: French

Course Name & Exam board: A-level French (AQA), 2016 specification

Department Curriculum Vision: Studying a foreign language encourages respect for others and increases our understanding of society. It advocates for greater tolerance and provides us with a unique opportunity to grow in awareness, enhance our mental agility and consider different perspectives. Our aim for our students is to achieve full fluency in French and gain a profound cultural understanding of the Francophone world.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	(A1) Unit 1: The evolving family Unit 4: Cultural heritage	(A1) Unit 3: Volunteering Unit 6: The silver screen	Continue film: La Haine Continue book: L'Étranger
Assessment	Paper 1 exam tasks on Unit 1 & 4 covering all four skills.	Paper 1 exam tasks on Units 3 and 6 covering all four skills. Mini PPE: AS Paper 1: Listening, reading and writing (105 mins)	Comprehension & analysis on part 2 of the book and film.
2nd Half Term topics	(A1) Unit 2: Cyber society Unit 5: Francophone music	Start film: La Haine Start book: L'Étranger	Complete film: La Haine Continue book: L'Étranger Introduction to the IRP
Assessment	Paper 1 exam tasks on Unit 2 & 5 covering all four skills.	Comprehension & analysis on part 1 of the book and film.	PPE: <ul style="list-style-type: none"> ● AS Paper 1: Listening, reading and writing (105 mins) ● A Level Paper 2 (1/2): Essay on the film (1hr) ● A Level Paper 3 (1/2): Stimulus card only (5 mins. prep + 5-6 mins speaking)

Subject: Computer Science

Course Name & Exam board: OCR A Level Computer Science

Department Curriculum Vision: To enable students to think analytically, logically and critically to solve computing problems. To build competent programmers with the ability to pick up different languages and take their studies onto higher education if they desire and ultimately secure a career within a large range of industries.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Unit 1: Components of a Computer Unit 2: Programming constructs	Unit 1: Data Types Unit 2: Algorithms	Unit 1: Databases Unit 2: coding algorithms
Assessment	INITIAL ASSESSMENT to assess suitability for course choice Topic assessment made up of past paper questions	Topic assessment Data Types	Topic assessment made up of past paper questions
2nd Half Term topics	Unit 1: System Software Unit 2: Programming	Unit 1: Networks Unit 2: Algorithms continued	End of year exam preparation Unit 3: NEA project
Assessment	Topic assessment made up of past paper questions	Topic assessment : Data types and data structures	END OF YEAR EXAM: all topics studied

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Unit 1: Computing related legislation and social ethical, moral cultural impacts Unit 2: Algorithms NEA: Design	Unit 1: Databases Unit 2: Revision and HTML, CSS and Javascript NEA: Programming and Testing	Exam preparation. Past papers
Assessment	PPE 1: Paper 1 & 2	Full PPE 1: Paper 1 and Paper 2	A LEVEL EXAM
2nd Half Term topics	Unit 1: Compression, Encryption and Hashing, Boolean logic Unit 2: Computational methods NEA: Programming and Testing	Paper 1 & 2 Revision NEA: Evaluation	
Assessment	Full PPE 1: Paper 1 and Paper 2	Practice papers	

Subject: Art, Craft & Design

Course Name & Exam board: Art Craft & Design AQA Exam Board

Department Curriculum Vision: Northwood students will build in-depth skills and knowledge to investigate the real world with confidence: recording, analysis and creation of a visual response to their surroundings.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	PERSONAL INVESTIGATION - Theme: Transformation. Component 1 Environment & Portraiture AO1: Develop ideas through sustained and focused investigations informed by contextual and other sources, demonstrating analytical and critical understanding.	PERSONAL INVESTIGATION - Component 1 Subheading 3 and and complete visual Development 1 in preparation for essay. Assessment Criteria AO1, AO2 and AO3	PERSONAL INVESTIGATION - Essay writing component which involves analysing in greater depth a collection of new artists to inspire the beginning of Development 2. Assessment Criteria AO1, AO2 and AO3
Assessment	INITIIAL ASSESSMENT to assess suitability for course choice To review summer research and work to date using assessment criteria.	Review all coursework from initial ideas through to the start of development. AO1 (Critical understanding) AO2 (experimentation of media) AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.	Review all coursework from initial ideas through to the start of development. AO1 (Critical understanding) AO2 (experimentation of media) AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.
2nd Half Term topics	PERSONAL INVESTIGATION - Component 1 Subheading 1 & 2 Assessment Criteria AO1(Critical understanding) & AO2> Explore and select appropriate resources, media, materials, techniques and processes, reviewing and refining ideas as work develops.	PERSONAL INVESTIGATION - Development 1 Extended Further Studies Component 1 Subheading 1 & 2 Assessment Criteria AO1(Critical understanding) & AO2: Explore and select appropriate resources, media, materials, techniques and processes, reviewing and refining ideas as work develops.	Essay writing continues; conclusions with visual responses made to artists investigated throughout the term.
Assessment	Review all Personal investigation work; Subheadings 1-3 using Assessment Criteria AO1- (Critical understanding) AO2 (experimentation of media) AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.	Review all Personal investigation work through to Development 1 and Extended Further Studies using Assessment. Criteria AO1, AO2 and AO3.	END OF YEAR EXAM AO outcome reflection on further analysis of essay written. Review all Personal investigation work through to Development 1, Extended Further Studies and Development 1 using Assessment.

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	PERSONAL INVESTIGATION - Component 1 Development 2 Assessment Criteria AO1: Critical understanding & AO2 Explore and select appropriate resources, media, materials, techniques and processes, reviewing and refining ideas as work develops.	January dedicated to Component 1 final outcome and completing all areas Assessment Criteria Component 2 -Externally Set Assignment paper released Feb 1st Develop ideas through sustained and focused investigations informed by contextual and other sources, demonstrating analytical and critical understanding.	FI 2 Preparation for Final Outcome Final Outcome: Externally set exam Assessment Criteria AO1/AO2/AO3 & AO4.
Assessment	Mini PPE 1: Review all ESA to date. AO1 (Critical understanding) AO2 (experimentation of media) AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.	Mini PPE 2: Review all ESA to date. AO1 (Critical understanding) AO2 (experimentation of media) AO3: Record ideas, observations and insights relevant to intentions, reflecting critically on work and progress.	Marking Component 1 and 2 in preparation for External Moderation. Final Outcome > Externally set exam Assessment
2nd Half Term topics	PERSONAL INVESTIGATION - Component 1 Final Ideas: Assessment Criteria AO1(Critical understanding) & AO2: Explore and select appropriate resources, media, materials, techniques and processes, reviewing and refining ideas as work develops.	Component 2 -Externally Set Assignment DEV 1/DEV 2/ FI 1 Finalising investigations in preparation for Final	
Assessment	Full PPE 1: Review all coursework to date.	Full PPE 2: Review all ESA to date.	

Subject: Design Technology - Product Design

Course Name & Exam board: Product Design AQA

Department Curriculum Vision: Imaginative practical work is at the heart of the subject. You will develop intellectual curiosity about the design and manufacture of products. You will explore, design, create and evaluate innovative solutions in response to realistic design contexts.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Practical Skills Project Paper 1 1.1 Materials and their applications 1.2 Performance characteristics of materials Paper 2 2.1 Design methods and processes 2.2 Design theory	Paper 1 1.4 Forming, redistribution and addition processes (cont) 1.5 The use of finishes Paper 2 2.4 Design processes 2.5 Critical analysis and evaluation	Paper 1 1.8 Digital design and manufacture 1.9 The requirements for product design and development Paper 2 2.7 Accuracy in design and manufacture 2.8 Responsible design
Assessment	INITIAL ASSESSMENT to assess suitability for course choice	Topic tests 1.4,1.5,2.4,2.5	Topic Tests 1.8,1.9,2.7,2.8
2nd Half Term topics	Paper 1 1.3 Enhancement of materials 1.4 Forming, redistribution and addition processes Paper 2 2.3 Technology and cultural changes	Paper 1 1.6 Modern and industrial scales of practice 1.7 Digital design and manufacture Paper 2 2.6 Selecting appropriate tools, equipment and processes	NEA 50% A2 Design & Make a product NEA Section A - Identifying & investigating design possibilities NEA Section B - Producing a design brief & specification
Assessment	Topic Tests: 1.3,1.4,2.3	Topic Tests 1.6, 1.7,2.6	END OF YEAR EXAM

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	<p>NEA Section C - Development of design proposals</p> <p>Paper 1 1.10 Protecting designs and intellectual property 1.11 Design for manufacturing, maintenance, repair and disposal</p> <p>Paper 2 2.9 Design for manufacture and project management</p>	<p>NEA Section D - Development of design prototype(s)</p> <p>NEA Section E - Analysing and evaluating.</p> <p>Paper 1 1.14 Design communication</p> <p>Revision/Recall/Retrieval Paper 1 & Paper 2</p>	Revision/Recall/Retrieval Paper 1 & Paper 2
Assessment	Mini PPE 1 (Paper 1- Technical Principles) NEA Assessment	Mini PPE 2 (Paper 2 - Design & Making Principles) NEA Assessment	A LEVEL EXAM
2nd Half Term topics	<p>NEA Section D - Development of design prototype(s)</p> <p>Paper 1 1.12 Feasibility studies 1.13 Enterprise and marketing in the development products</p> <p>Paper 2 2.10 National international standards in product design</p>	<p>NEA Section E - Analysing and evaluating.</p> <p>Revision/Recall/Retrieval Paper 1 & Paper 2</p>	
Assessment	PPE 1 (Paper 1 - Technical Principles & Paper 2 - Design & Making Principles) NEA Assessment	PPE 2 (Paper 1 - Technical Principles & Paper 2- Design & Making Principles) NEA Assessment	

Subject: Sport

Course Name & Exam board:

Edexcel - BTEC Level 3 National Foundation Diploma in Sport

Department Curriculum Vision: Students are **physically literate, passionate** about sport and understand the importance of **lifelong participation**. Students will be **confident individuals**, developing a variety of attributes that will enable them to excel in the classroom and beyond.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Unit 2 - Fitness Training and Programming for Health, Sport and Well-being Unit 5 - Application of Fitness Testing	Unit 6 - Sports Psychology	Unit 6 - Sport Psychology Unit 4 - Sports Leadership
Assessment	INITIAL ASSESSMENT to assess suitability for course choice	Coursework	Coursework
2nd Half Term topics	Unit 2 - Fitness Training and Programming for Health, Sport and Well-being Unit 5 - Application of Fitness Testing	Unit 6 - Sport Psychology Unit 4 - Sports Leadership	Unit 4 - Sports Leadership Coursework Improvements
Assessment	Unit 2 Assessment: Full Paper Unit 2 Exam Coursework	Coursework	Coursework

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Unit 1 - Anatomy & Physiology Unit 3 - Professional Development in the Sports Industry	Unit 3 - Professional Development in the Sports Industry Unit 10 - Sports Event Organisation	Unit 10 - Sports Event Organisation Coursework Improvements
Assessment	Mini PPE 1: Unit 1 - Learning Aim A, B & C Coursework	Coursework	Coursework
2nd Half Term topics	Unit 1 - Anatomy & Physiology Unit 3 - Professional Development in the Sports Industry	Unit 10 - Sports Event Organisation	
Assessment	PPE 1: Unit 1 - Full Paper Unit 1 Exam, Coursework	Coursework	

Subject: A-Level PE

Course Name & Exam board:

OCR A-Level PE

Department Curriculum Vision: Students are **physically literate, passionate** about sport and understand the importance of **lifelong participation**. Students will be **confident individuals**, developing a variety of attributes that will enable them to excel in the classroom and beyond.

Year 12

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Applied Anatomy & Physiology: Skeletal & Muscular Systems Cardiovascular & Respiratory Systems Exercise Physiology: Diet and Nutrition	Biomechanics: Stability Lever Systems Skill Acquisition: Classification of Skills Types of Practice Transfer of Skills Learning Theories Stages of Learning Guidance Feedback	Sport and Society: Emergence and Evolution of Modern Sport Sport in the 21st Century Global Sporting Events
Assessment	INITIAL ASSESSMENT to assess suitability for course choice End of unit tests	End of unit tests Paper 1	End of unit tests Paper 2
2nd Half Term topics	Exercise Physiology: Preparation and Training Methods Biomechanics: Newton's Laws Forces Technology	Sports Psychology: Individual Differences Group and Team Dynamics Goal Setting Sport and Society: Emergence and Evolution of Modern Sport	Applied Anatomy & Physiology: Energy for Exercise
Assessment	End of unit tests	End of unit tests	

Year 13

	Autumn Term	Spring Term	Summer Term
1st Half Term topics	Applied Anatomy & Physiology: Energy for Exercise Recovery, Altitude & Heat Exercise Physiology: Injury Prevention & Rehabilitation	Contemporary Issues in Physical Activity & Sport: Ethics & Deviance Commercialisation & Media Routes to Sporting Excellence in the UK Modern Technology	Exam Preparation

	Biomechanics: Linear Motion Angular Motion Fluid Mechanics and Projectile Motion		
Assessment	End of unit tests	End of unit tests PPE - Paper 2	PPE - Paper 1 and Paper 2
2nd Half Term topics	Skill Acquisition: Memory Models Sports Psychology: Attribution in Sport Confidence & Self-efficacy Leadership Stress Management	Exam Preparation Coursework	
Assessment	End of unit tests PPE - Paper 1	PPE - Paper 1 and Paper 2 Coursework	