

Gosfield School

Curriculum Outline

Subject: A Level Biology

Year: 13

General Information:

This course follows the AQA A Level specification. Lessons are a mixture of theory and practical experiments to develop their investigative skills.

Practical and investigative skills are covered throughout the course and are specified by the examination board. They may be assessed through written examination questions and also form part of the Practical Endorsement; a separate competency assessment.

Regular progress tests and mock examinations are carried out as internal assessment. Prep work is set regularly and covers a range of activities, including independent reading and research.

<p>Autumn Term 1</p> <p>Unit 5: Energy transfers in and between organisms</p> <ul style="list-style-type: none">• Respiration• Aerobic Respiration• Respiration experiments • Energy transfer in ecosystems• Farming practices and production• Nutrient cycles• Fertilisers and eutrophication <p>Unit 6: Organisms respond to changes in their internal and external environments</p> <ul style="list-style-type: none">• Nervous communication• Responses in plants and animals• Receptors• Control of heart rate	<p>Autumn Term 2</p> <p>Unit 6: Organisms respond to changes in their internal and external environments continued</p> <ul style="list-style-type: none">• Neurones• Synaptic transmission• Muscle coordination• Homeostasis basics• Control of blood glucose concentration• The kidneys• Controlling blood water potential <p>Unit 7: Genetics, populations, evolution and ecosystems</p> <ul style="list-style-type: none">• Inheritance• Linkage and epistasis• The Chi-squared test• The Hardy-Weinberg principle• Variation and selection• Speciation and genetic drift	<p>Spring Term 1</p> <p>Unit 7: Genetics, populations, evolution and ecosystems</p> <ul style="list-style-type: none">• Ecosystems• Variation in population size• Investigating populations• Succession• Conservation <p>Unit 8: The control of gene expression</p> <ul style="list-style-type: none">• Mutations and cancer• Stem cells• Regulation of transcriptions and translation• Epigenetic control of gene expression• Evaluating data on phenotypes• Genome projects and making DNA fragments• Amplifying DNA fragments• Using recombinant DNA technology• Gene probes and Medical diagnosis• Genetic fingerprinting
<p>Spring Term 2</p>	<p>Summer Term 1</p>	<p>Summer Term 2</p>

Revision	Revision	Revision/Examinations
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Gosfield School

Curriculum Outline

Subject: A Level Chemistry

Year: 13

General Information:

This course follows the OCR AS Level specification. Lessons are a mixture of theory and practical experiments to develop their investigative skills.

Practical and investigative skills are covered throughout the course and are specified by the examination board. They may be assessed through written examination questions and also form part of the Practical Endorsement; a separate competency assessment.

Regular progress tests and mock examinations are carried out as internal assessment. Prep work is set every lesson and covers a range of activities, including independent reading and research.

<p>Autumn Term 1 Module 1: Practical & Investigative skills</p> <p>Module 6: Organic Chemistry and Analysis</p> <ul style="list-style-type: none"> • Amines • Polymers • Organic Synthesis 	<p>Autumn Term 2 Module 1: Practical & Investigative skills</p> <p>Module 6: Organic Chemistry and Analysis</p> <ul style="list-style-type: none"> • Chromatography • Spectroscopy 	<p>Spring Term 1 Module 1: Practical & Investigative skills</p> <p>Module 5: Physical Chemistry and Transition Metals</p> <ul style="list-style-type: none"> • Reaction rates and equilibrium • pH and Buffers • Enthalpy, entropy and free energy
<p>Spring Term 2 Module 1: Practical & Investigative skills</p> <p>Module 5: Physical Chemistry and Transition Metals</p> <ul style="list-style-type: none"> • Redox • Electrode Potential • Transition Metals 	<p>Summer Term 1 Module 1: Practical & Investigative skills</p> <ul style="list-style-type: none"> • Revision 	<p>Summer Term 2</p> <ul style="list-style-type: none"> • Revision and Examinations

Gosfield School
Curriculum Outline

Subject: A level Economics B

Year: 13

General Information: Students will be learning the Edexcel examination course. Students will sit three exams this academic year, all in May / June:

Paper 1: Markets and how they work, worth 35% of the total qualification and questions are drawn from Theme 1 (studied in Year 12) and Theme 4.

Paper 2: Competing in the global economy, worth 35% of the total qualification and questions are drawn from Theme 2 (studied in Year 12) and Theme 3.

Paper 3: The economic environment and business, worth 30% of the total qualification. For this paper there is a pre-released context document and questions are drawn from all four Themes.

<p>Autumn Term 1</p> <p>Theme 3: The Global Economy</p> <ul style="list-style-type: none"> • Globalisation • Economic factors in business expansion • Impact of globalisation on global countries <ul style="list-style-type: none"> • Theme 1 revision • Theme 2 revision 	<p>Autumn Term 2</p> <p>Theme 3: The Global Economy</p> <ul style="list-style-type: none"> • Impact of globalisation on local and national economies • Global labour markets • Inequality and re-distribution <ul style="list-style-type: none"> • Theme 1 revision • Theme 2 revision 	<p>Spring Term 1</p> <p>Theme 3: The Global Economy</p> <ul style="list-style-type: none"> • Mock exam – Paper 2 <p>Theme 4: Making Markets Work</p> <ul style="list-style-type: none"> • Competition and Market Power • Market Power and Market Failure • Market Failure Across the Economy
<p>Spring Term 2</p> <p>Theme 4: Making Markets Work</p> <ul style="list-style-type: none"> • Macroeconomic Policies and Impact on Firms and Individuals • Risk and Financial Sector • Mock exam – Paper 1 	<p>Summer Term 1</p> <p>Revision</p> <ul style="list-style-type: none"> • Revise Themes 1 – 4 • Mock exam – Paper 3 	<p>Summer Term 2</p> <p>Revision</p>

Gosfield School
Curriculum Outline

Subject: English Literature

Year: 13

General Information:

The Edexcel Advanced GCE in English Literature entails the study of eight literary texts plus unseen poetry, including both Pre- and Post-1900 works. Students develop skills in the appreciation and analysis of a range of genres. They are also required to consider the historical and social contexts in which literature is produced and the various ways in which it can be appreciated by different readers. In Year 13, in addition to revising previous units, students study two novels. They also complete their coursework task, based on their two chosen texts.

Assessment:

Three externally examined papers (Drama, Prose and Poetry) and one coursework component (an extended comparative essay referring to two texts). Students must complete all assessment in May/June in any single year. In Year 13, students sit an internal mock examination in January and sit their final examinations in the Summer Term.

Autumn Term 1

- Poems of the Decade Revision
- Coursework Planning

Assessment: Modern Poetry

Covid Catch Up: Poems of the Decade revisited with targeted revision.

Autumn Term 2

- Paper 2 – *What Maisie Knew* and *The Color Purple*
- Coursework Draft

Assessment

Mock Exams

Papers 1 (Drama) and 3 (Excluding Romanticism)

Covid Catch Up: To be planned in response to needs identified in Autumn Term 1. Frequent opportunities to engage with exam-style questions and develop analytical writing

Spring Term 1

- Mock examinations Paper 1, 2 and 3
- Revision and exam preparation
- Coursework Deadline

Assessment: Romanticism Poetry

Covid Catch Up: Romanticism poetry revisited with targeted revision.

Spring Term 2

- Revision and exam preparation

Summer Term 1

- Revision and exam practice

Summer Term 2

- Final Coursework

Assessment

Mock exams

Papers 1, 2, and 3

Covid Catch Up: To be planned in response to needs identified in Spring Term 1 and mock exams. Range of revision strategies. Targeted individual interventions in class. Frequent engagement with exam-style questions.

Covid Catch Up: To be planned in response to needs identified in Spring Term 2. Range of revision strategies. Frequent engagement with exam-style questions.

Gosfield School
Curriculum Outline

Subject: History

Year: 13

General Information:

A Level History – Edexcel – (A2) In History, students develop the skills to understand past events, analyse cause and effect, recognise patterns and evaluate sources with increasing confidence and sophistication. They will be able to form independent opinions on the topics we cover and develop writing skills to describe these ideas.

Autumn Term 1

Lancastrians, Yorkists and Henry VII,1399-1509

- Introduction
- The Crises of 1399-1405
- Henry V and the Conquest of France, 1413-21
- Renewed Crises and Challenges 1449-61.- Henry IV and Margaret Anjou
- Fall of Duke of Suffolk
- Read and start writing coursework.

Continued revision of the early Kings. Constant exam/essay work.

Autumn Term 2

Lancastrians, Yorkists and Henry VII,1399-1509

- Renewed Crises 1449-61- Cades Rebellion, Battle of Towton and the importance of the Earl of Warwick.
- The Yorkists divided 1478-85 – Murder of George, Duke of Clarence in 1478
- Completion of first draft of Coursework.

Continued revision of the early Kings. Constant exam/essay work.

Spring Term 1

Lancastrians, Yorkists and Henry VII,1399-1509

- The Challenges faced by Richard III
- Henry VII- success at the Battle of Bosworth and claiming the throne.
- Challengers to Henry VII – Perkin Warbeck.
- Resistance to Henry VII- Yorkish and Cornish Rebellion

Spring Term 2

Lancastrians, Yorkists and Henry VII,1399-1509

- The importance of retaining, 1399-1509
- Coping with challenge- disorder and local rivalries, 1399-1509
- Royal income 1399-1509

Summer Term 1

- Revision

Summer Term 2

- Revision

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| <ul style="list-style-type: none">• War and diplomacy,
1399-1509 | | |
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Gosfield School
Curriculum Outline

Subject: A2 Mathematics

Year: 13

General Information

Students in Year 13 follow the Edexcel A2 Level Maths Specification. This course is externally assessed at the end of year 13 to provide an A2 Level Maths qualification.

Students complete various assessments on key topics throughout the year to check and consolidate their learning. In addition, students will sit mock examinations that are graded and compared to their targets to check progress made. The group may work at a pace different to the outline below, to match with the ability of the group.

<p>Autumn Term 1</p> <ul style="list-style-type: none"> • Algebra and functions • Coordinate geometry in the (x, y) plane • Further algebra • Statistical sampling • Data presentation and interpretation • Quantities and units in mechanics • Kinematics 1 (constant acceleration) 	<p>Autumn Term 2</p> <ul style="list-style-type: none"> • Trigonometry • Vectors (2D) • Differentiation • Integration • Exponentials and logarithms • Probability • Statistical distributions • Statistical hypothesis testing • Forces & Newton's laws • Kinematics 2 (variable acceleration) 	<p>Spring Term 1</p> <ul style="list-style-type: none"> • Proof • Algebraic and partial fractions • Functions and modelling • Series and sequences • The binomial theorem • Trigonometry • Regression and correlation • Probability • Moments • Forces at any angle • Applications of kinematics
<p>Spring Term 2</p> <ul style="list-style-type: none"> • Trigonometry • Parametric equations • Differentiation • Numerical methods • Integration (part 1) • The Normal distribution • Applications of forces • Further kinematics 	<p>Summer Term 1</p> <ul style="list-style-type: none"> • Integration (part 2) • Vectors (3D) • Revision 	<p>Summer Term 2</p> <p>Consolidation/Revision</p> <p>External exams</p>

Gosfield School

Curriculum Outline

Subject: Physical Education / Games

Year: 13

General Information:

Physical Education and Games in Years 11, 12 and 13 focuses on development and application of advanced skills needed in competitive game activities and athletics. Students also consistently apply strategies and tactics to competitive situations. Students are given the opportunity to apply all these skills and strategies in competitive games against external opposition. Students are also given the opportunity to experience a wider curriculum to encourage lifelong participation in physical activity. Students are assessed at the end of each half term: they are awarded an approach to learning grade.

Autumn Term 1

Football

- Skills: passing, dribbling, shooting, heading, creating space, movement on & off ball
- Tactics: attack & defence strategies, set plays, game evaluation & analysis
- Game play, rules, coaching, scoring & refereeing

Trampolining

- Skills: shapes, landings, combinations, twists, turns
- Routines
- Health & safety issues
- Putting out & away trampolines

Badminton

- Skills: different types of shot both forehand and backhand, rallies
- Introduce serves
- Tactics
- Game play (singles and doubles), rules and scoring

Autumn Term 2

Rugby

- Skills: passing, scoring, creating space, movement on and off ball
- Tactics: positions & responsibilities, attack & defence strategies, set plays, game evaluation & analysis
- Game play, rules, coaching, scoring & refereeing

Netball

- Skills: passing; footwork, shooting, movement on and off ball, attacking & defensive play
- Tactics: attack & defence strategies, set plays, game analysis & evaluation
- Game play, match analysis rules, coaching, scoring & umpiring

Spring Term 1

Handball

- Skills: passing, dribbling, tackling, shooting
- Tactics: basic principles of attack/defence
- Game play, rules & scoring

Hockey

Skills: passing, dribbling, tackling, shooting
 Tactics: positions & responsibilities, attack & defence strategies
 Game play, match analysis, rules, scoring, coaching & refereeing

<p>Spring Term 2</p> <p><u>Options Block</u></p> <ul style="list-style-type: none"> • Students to select activity areas they would like to participate in as well as continuing to have the option of fixtures 	<p>Summer Term 1</p> <p><u>Athletics</u></p> <ul style="list-style-type: none"> • Skills: refine running throwing & jumping skills • Measurement: times & distances • Peer instruction, analysis & coaching • Tactics • Competitions • Organisation of own mini Olympics event 	<p>Summer Term 2</p> <p><u>Striking and Fielding</u></p> <p><u>Activities</u></p> <ul style="list-style-type: none"> • Skills: throwing, catching, batting, bowling, and fielding • Tactics, attack & defence strategies, game analysis and evaluation • Game play, match analysis, rules, coaching, scoring & umpiring
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Gosfield School
Curriculum Outline

Subject: A Level PE

Year: 13

General Information:

A Level PE students follow the AQA course and have nine sixty minute lessons per two week cycle. The Year 13 syllabus is broken down into three separate areas of study: Exercise Physiology, Biomechanical Movement and Sports Psychology. One lesson every two weeks is dedicated to Biomechanical Movement and another lesson every two weeks is dedicated to recapping on Applied Anatomy and Physiology which was covered partly before lockdown and during lockdown. Sports Psychology was started in Year 12 and will be completed in the first half/term block. Exercise Physiology will be covered in the second half term. Some of the lessons will then be used to re-look at past topic areas and practice answering exam questions. At the end of the first term and then each half term students sit an end of unit exam which assesses progress made. Students are then awarded an effort grade and achievement grade in line with the Gosfield format. At the end of the academic year students sit two theory papers which accounts for 70% of the overall grade awarded. Students also have a practical exam where they perform in one sporting activity either as a performer or coach. As part of the practical section students complete a piece of coursework that focuses on evaluating and analysing their own performance. These marks account for 30% of the overall grade awarded.

<u>First Half Term</u>	<u>Second Half Term</u>	<u>Third Half Term</u>
<p>Applied Anatomy & Physiology</p> <ul style="list-style-type: none"> • Cardiorespiratory system <p>Biomechanical Movement</p> <ul style="list-style-type: none"> • Biomechanical principles <p>Sports Psychology</p> <ul style="list-style-type: none"> • Achievement motivation • Stress management • Aggression <p>NEA Coursework</p> <ul style="list-style-type: none"> • Practical sport Videoing 	<p>Applied Anatomy & Physiology</p> <ul style="list-style-type: none"> • Respiratory system <p>Biomechanical Movement</p> <ul style="list-style-type: none"> • Levers <p>Exercise Physiology</p> <ul style="list-style-type: none"> • Diet and nutrition • Preparation and training methods • Injury prevention and rehabilitation of injury <p>NEA Coursework</p> <ul style="list-style-type: none"> • Practical sport videoing 	<p>Applied Anatomy & Physiology</p> <ul style="list-style-type: none"> • Neuromuscular system <p>Biomechanical Movement</p> <ul style="list-style-type: none"> • Linear motion • Angular motion <p>Revision / exam techniques</p> <ul style="list-style-type: none"> • Skill acquisition <p>NEA Coursework</p> <ul style="list-style-type: none"> • Analysis

<u>Fourth Half Term</u>	<u>Fifth Half Term</u>	<u>Sixth Half Term</u>
<p>Applied Anatomy & Physiology</p> <ul style="list-style-type: none"> • Musculo-skeletal system <p><u>Biomechanical Movement</u></p> <ul style="list-style-type: none"> • Projectile motion • Fluid mechanics <p><u>Revision / exam technique</u></p> <ul style="list-style-type: none"> • Sport and society <p><u>NEA Coursework</u></p> <ul style="list-style-type: none"> • Evaluation 	<p>Applied Anatomy & Physiology</p> <ul style="list-style-type: none"> • Energy systems <p>Revision / exam technique</p> <ul style="list-style-type: none"> • Applied Anatomy & Physiology • Biomechanics • Sport Psychology <p><u>NEA Coursework</u></p> <ul style="list-style-type: none"> • Check, edit and improve videos, analysis and evaluation sections 	<p>Revision / Practice Exam papers</p> <ul style="list-style-type: none"> • Applied Anatomy & Physiology • Biomechanics

Gosfield School
Curriculum Outline

Subject: A2 Psychology

Year: 13

General Information:

Psychology is the scientific study of the mind, brain and behavior. We follow the AQA A level 7182 course with Year 13 students for examination in Summer 2021. A2 Psychology students will learn to describe and evaluate psychological concepts, theory and research for new A2 topics of Approaches, Biopsychology, Issues and debates, Relationships, Eating behaviour and Forensic Psychology. The course will also involve students having knowledge and understanding of AS topics and revising this content thoroughly. Students will continue their learning of various research methods used by psychologists continuing on from their study of AS. Students will develop practical research and mathematical skills to include the design and conduct of their own research, as they done in Year 12.

<p>Autumn Term 1</p> <ul style="list-style-type: none"> • Approaches continued from AS • Biopsychology continued from AS • Recap option 1 topic: Relationships completed in Summer • Research Methods <p>Revise Psychopathology & Memory</p>	<p>Autumn Term 2</p> <ul style="list-style-type: none"> • Issues and Debates • Research Methods • Focus on evaluation • Mock exam 1 and feedback • Exam technique practice <p>Revise Social influence, Attachment & Research Methods</p>	<p>Spring Term 1</p> <ul style="list-style-type: none"> • Option 2 topic: Eating behaviour • Research Methods <p>Revise Approaches, biopsychology</p>
<p>Spring Term 2</p> <ul style="list-style-type: none"> • Option 3 topic: Forensic Psychology • Mock exam 2 and feedback • Research Methods • Revision including exam technique practice <p>Revise Relationships, issues and debates</p>	<p>Summer Term 1</p> <ul style="list-style-type: none"> • Revision for papers 1-3 including exam technique practice <p>Revise Eating behaviour, Forensic Psychology</p>	<p>Summer Term 2</p> <ul style="list-style-type: none"> • Exams

Gosfield School
Curriculum Outline

Subject: Sociology

Year:13

General Information:

A **Level Sociology – AQA– (A2) In Sociology**, students will experience a qualification that offers an engaging and effective introduction to Sociology. Students will learn the fundamentals of the subject and develop skills valued by higher education (HE) and employers, including critical analysis, independent thinking and research.

Autumn Term 1

Beliefs in Society

- Course outline
- Intro to Beliefs in Society
- Functionalism and religion
- Marxism and religion
- Feminism and religion
- Social Change
- Secularisation

Low risk and essay assessment of Beliefs in Society.

Autumn Term 2

Beliefs in Society

- Post-Modernity
- Religion in a global context
- Religious Organisations
- Religious Participation
- Science and Ideology
- Revision

- Exam Technique
- Re-cap of Year 1

Low risk and essay assessment of Beliefs in Society.

Spring Term 1

Crime and Deviance

- Social Theory
- Introduction to topic
- Functionalism
- Marxism
- Labelling
- Realism
- Gender

- Exam Technique

Spring Term 2

Crime and Deviance

Labelling

- Realism
- Gender
- Ethnicity
- Class and Crime
- Media and Crime
- Globalisation
- Crime, Control and Punishment
- Victims

- Exam Technique

Summer Term 1

- Revision

Summer Term 2

- Revision and Exams

