

Curriculum Plan: Biology Year 13

	Enquiry Question(s)	Key Content	Key Assessments*	Further Learning at Home
Term 1a	What factors affect ecosystems?	Topic 5 <ul style="list-style-type: none"> Ecosystems Climate change Photosynthesis Enzymes and temperature 	1. EA1 Exam	<u>Reading List:</u> Enlightenment Now – Steven Pinker
Term 1b	How does our body defend itself?	Topic 6 <ul style="list-style-type: none"> Protein synthesis DNA profiling Microorganisms The body's defences The body's responses Antibiotics Decomposition 	2. Mock exams 1	<u>Reading List:</u> The Selfish Gene – Richard Dawkins
Term 2a	How does our body prepare itself for movement?	Topic 7 <ul style="list-style-type: none"> Muscles Respiration Cardiac muscle Homeostasis Medical technologies 		<u>Reading List:</u>
Term 2b		Topic 8 <ul style="list-style-type: none"> Neurones Nerve impulses The nervous system The brain Vision Habituation Drugs and synaptic transmissions 	3. Mock exams 2	<u>Reading List:</u> The Human Brain: A Guided Tour – Susan Greenfield
Term 3a	How does our body react to situations?			<u>Reading List:</u> <ul style="list-style-type: none"> Vision – David Marr
Term 3b	How can we best prepare for exams?	Revision	AM 6 th June A Level Biology Paper 1 AM 13 th June A Level Biology Paper 2 AM 17 th June A Level Biology Paper 3	<u>Reading List:</u> <ul style="list-style-type: none">

Recommended Further Activities:

Read science news at www.popsoci.com

- Download the free app 'Flipboard' (available on Android, Windows and iOS) and subscribe to the science news feed

Curriculum Plan: Chemistry Year 13

	Enquiry Question(s)	Key Content	Key Assessments	Further Learning at Home
Term 1a	How does energy change in chemical reactions?	Topic 13 <ul style="list-style-type: none"> Lattice energy Enthalpy changes Entropy 	4. EA1 Exam	<u>Reading List:</u> Edexcel A-Level Chemistry book 2 - Hodder (ISBN: 978-1471807497) <ul style="list-style-type: none"> Topic 13: p.50-85 Topic 14: p.86-115
	What happens during redox reactions?	Topic 14 <ul style="list-style-type: none"> Redox Half equations Oxidation numbers Titrations Electrode potentials 		
Term 1b	What are the transition metals?	Topic 15 <ul style="list-style-type: none"> Electronic configuration Oxidation numbers Complexes Ligands 	5. Mock exams 1	<u>Reading List:</u> Edexcel A-Level Chemistry book 2 - Hodder (ISBN: 978-1471807497) <ul style="list-style-type: none"> Topic 15: p.116-146 Topic 16: p.147-168
	What affects how fast a reaction happens?	Topic 16 <ul style="list-style-type: none"> Reaction rates Rate equations Reaction mechanisms 		
Term 2a	What is further organic chemistry?	Topic 17 <ul style="list-style-type: none"> Chirality Optical isomers Carbonyl compounds Carboxylic acids Esters Acyl chlorides 		<u>Reading List:</u> Edexcel A-Level Chemistry book 2 - Hodder (ISBN: 978-1471807497) <ul style="list-style-type: none"> Topic 17: p.169-211 Topic 18: p.212-282
	What are aromatic compounds?	Topic 18 <ul style="list-style-type: none"> Arenes Amines Amides Amino Acids Proteins Organic synthesis 		
Term 2b	How can I analyse compounds?	Topic 19 <ul style="list-style-type: none"> Mass spectrometry IR spectroscopy NMR spectroscopy Chromatography 	6. Mock exams 2	<u>Reading List:</u> Edexcel A-Level Chemistry book 2 - Hodder (ISBN: 978-1471807497) <ul style="list-style-type: none"> Topic 19: p.283-314
	How can I best prepare for my exams?	Revision		
Term 3a	How can I best prepare for my exams?	Revision		<u>Reading List:</u> Edexcel A-Level Chemistry book 2 - Hodder (ISBN: 978-1471807497) All pages
Term 3b	How can I best prepare for my exams?	Revision	PM 4 th June A Level Chemistry Paper 1 PM 11 th June A Level Chemistry Paper 2 AM 19 th June A Level Chemistry Paper 3	<u>Reading List:</u> Edexcel A-Level Chemistry book 2 - Hodder (ISBN: 978-1471807497) <ul style="list-style-type: none"> All pages

Recommended Further Activities:

- Revise with these great resources:

- www.chemguide.co.uk

- Read science news at www.popsi.com

Download the free app 'Flipboard' (available on Android, Windows and iOS) and subscribe to the science news feed

Curriculum Plan: Economics Year 13

	Enquiry Question(s)	Key Content	Key Assessments	Further Learning at Home
Term 1a	Section 3 – International Economics	<ul style="list-style-type: none"> - Why do countries trade? - Free trade and protectionism - Exchange rates - Balance of payments - Economic integration 	EA1 Exams: Past paper	Exam questions set Extra reading Keep updated with the news – The Economist
Term 1b	Section 4- Development Economics	<ul style="list-style-type: none"> - Economic development - Measuring development - Domestic factors and economic development - International trade and economic development - Foreign direct investment and economic development - Aid, debt and economic development - The balance between markets and intervention 	Mock Exams 1: Past paper	Exam questions set Extra reading Keep updated with the news – The Economist
Term 2a	Finish any incomplete areas over sections 1-4 and start internal assessment		Past paper	Exam questions set Keep updated with the news – The Economist
Term 2b	Internal assessment → on either Section 3 or Section 4 Revision		Mock Exams 2: Past paper	Exam questions set Extra reading Keep updated with the news – The Economist
Term 3a	Revision		Paper 1: PM Wednesday 15 th May 2019. Papers 2 & 3: AM Thursday 16 th May 2019	Exam questions set Extra reading Keep updated with the news – The Economist

Curriculum Plan: English Year 13

	Enquiry Question(s)	Key Content	Key Assessments	Further Learning at Home
Term 1a	<p>1. How has George Orwell presented political corruption in <i>Animal Farm</i>?</p> <p>2. Why did Orwell choose to write an allegorical critique of communism?</p> <p>3. How has Orwell presented a dystopian future?</p>	<ul style="list-style-type: none"> • Editor’s introduction • Plot summary • First impressions of main characters • Analysis of Major’s speech • Death of old Major • Philosophy of Animalism and its commandments • Napoleon’s ruthlessness • Analysis of Squealer’s speech • Militarisation • Napoleon’s propaganda • Purge of Snowball supporters • Boxer’s death • Manor Farm 	<p>EA1 exam:</p> <p>Critical written task</p>	<ul style="list-style-type: none"> • Life of George Orwell • Russian Revolution and the Soviet Union • History of the Cold War • Development of the Dystopian genre • Comparison with Huxley’s <i>Brave New World</i>, Bradbury’s <i>Fahrenheit 451</i> and Orwell’s own <i>1984</i> • Character studies
Term 1b	<p>1. How has Graham Greene presented his dark, criminal underworld?</p> <p>2. How has Greene explored the influence of religion in the novel?</p> <p>3. To what extent has Greene presented the gang members as victims of economic poverty?</p> <p>4. How has Greene explored the significance of Pinkie’s youth?</p>	<ul style="list-style-type: none"> • Opening description of Brighton • Hale as a victim; Ida as detective • First impressions of Pinkie • Rose’s innocence • Pinkie’s relationship with Rose • Hale’s murder • Spicer’s exhaustion 	<p>Mock exam 1:</p> <p>Written assignment</p>	<ul style="list-style-type: none"> • Life of Graham Greene • The two faces of 1930s Brighton • Tradition of medieval moral plays • The text as a bildungsroman • Character studies • Comparison of Pinkie with Alex from <i>A Clockwork Orange</i> (especially regarding attitudes towards women) • Play and film adaptations • Vocabulary and definitions • Written task planning and drafting
Term 2a	<p>1. What philosophy of life has Camus explored in <i>The Outsider</i>?</p> <p>2. How has Camus constructed Meursault’s narrative voice?</p> <p>3. To what extent does Raymond act as</p>	<ul style="list-style-type: none"> • The French colonialisation of Algeria • Introduction to studying texts in translation • Life of Albert Camus and his philosophy of the absurd • A mother’s death • First impressions of Meursault • The swim • Meeting the neighbours • The argument • The question of marriage 	<p>Paper 2 practice questions</p>	<ul style="list-style-type: none"> • Plot summary • Character studies • How does Meursault reveal himself to be indifferent toward emotion and interaction with others? • How does Camus use language to present Marie? • In contrast to Meursault, how does Salamano react differently to loss? • How does the dog’s death allow for an exploration of the inevitability of decay?

	<p>a foil to Meursault?</p> <p>4. How might atheism be a threat to society?</p>	<ul style="list-style-type: none"> Arabs on the beach Monsieur Antichrist Mersault's trial Waiting for execution 		<ul style="list-style-type: none"> "The reader is both shocked and appalled by Meursault's murder of the Arab." To what extent do you agree? Compare the magistrate's view of life to Meursault's. Response to review: https://www.theguardian.com/books/2012/dec/09/outsider-albert-camus-smith-review Response to review: https://medium.com/@romyaran1/an-analysis-of-the-outsider-by-albert-camus- What is it about Albert Camus' The Outsider that makes it such an enduring favourite with men? (The Guardian, 2006)
Term 2b	How has Wilfred presented his viewpoint of war across his poetry collection?	<ul style="list-style-type: none"> <i>Futility</i> <i>Dulce et Decorum est</i> <i>Exposure</i> <i>Anthem for Doomed Youth</i> <i>Disabled</i> <i>The Last Laugh</i> <i>Arms and the Boy</i> <i>S. I. W.</i> <i>The Send-Off</i> <i>Smile, Smile, Smile</i> <i>Spring Offensive</i> 	<p>Mock exams 2:</p> <p>Paper 2 practice questions</p>	<ul style="list-style-type: none"> Research the life of Wilfred Owen https://www.poetryfoundation.org/poets/wilfred-owen; https://www.bl.uk/people/wilfred-owen The tradition of war poetry Poetic techniques Reading from British library online: <ul style="list-style-type: none"> 'Broken mirrors: the First World War and modernist literature', Randall Stevenson, 'Dulce et Decorum est, a close reading', Santanu Das 'Anthem for Doomed Youth' and 'Dulce et Decorum Est': tracing the influence of John Keats', Sandra M. Gilbert
Term 3a	How has William Golding presented the key themes and characters of <i>Lord of the Flies</i> ?	<ul style="list-style-type: none"> Civilisation vs Savagery Loss of innocence Biblical parallels Key symbols: the conch, Piggy's glasses, the signal fire, the beast, the Lord of the Flies Key character reflections What does it mean to say that Lord of the Flies is an allegorical novel? Compare and contrast Ralph and Simon. Both seem to be "good" characters. Is there a difference in their goodness? How does Jack use the beast to control the other boys? 	<p>Paper 1 and Paper 2 practice</p> <p>IB Paper 1: 1.30pm Thursday 16th May 2019</p> <p>IB Paper 2: 9.00am Friday 17th May 2019</p>	<ul style="list-style-type: none"> Knowledge organiser revision Flashcards Essay plans Revisit life of William Golding

Curriculum Plan: Finance Year 13

	Syllabus	Topics	Assessments	Further reading at home
Term 1a	Unit 3: Sustainability of an individual's finances	<ol style="list-style-type: none"> 1. Personal financial stability 2. How the state can help 3. The impact of external factors 4. Monitoring and adapting personal financial plans. 	EA exams 1: Part A and B exam based on topics 1-4	Topics 1-4 of Diploma in Financial Studies (DiFS) Unit 3 textbook Financial times The Economist
Term 1b	Unit 3: Sustainability of an individual's finances	<ol style="list-style-type: none"> 5. Good debt, bad debt 6. The impact of global events and ethics 7. The impact of recent changes. 	Y13 mock exams 1: Part A and B exam based on topics 1-7	Topics 1-7 of Diploma in Financial Studies (DiFS) Unit 3 textbook Financial times The Economist
Term 2a	Unit 3: Sustainability of an individual's finances. Unit 4: Sustainability of the Financial Services System	<ol style="list-style-type: none"> 1. The financial system 2. Competition in the financial services sector 3. Sustainability in the financial services sector 4. The impact of the media on the sustainability of the financial services industry 5. External influences on financial services providers and their products. 	Unit 3 on-line exam: week beginning 14 th January 2019. Written exam: Monday 21 st January 2019.	Topics 1-5 of Diploma in Financial Studies (DiFS) Unit 4 textbook Financial times The Economist
Term 2b	Unit 3: Sustainability of an individual's finances. Unit 4: Sustainability of the Financial Services System	<ol style="list-style-type: none"> 6. The impact of change and uncertainty on financial products 7. Marketing materials and their effectiveness 8. Attracting, retaining and satisfying customers 9. Market segmentation and product development 10. Case studies. 	Optional – unit 3 retakes. On-line exam: week beginning 18 th March 2019. Written exam: Monday 25 th March 2019.	Topics 1-10 of Diploma in Financial Studies (DiFS) Unit 4 textbook Financial times The Economist
Term 3a	Unit 4: Sustainability of the Financial Services System	Final preparation for the unit 4 exam, focusing on areas of weakness.	Unit 4 on-line exam: week beginning 29 th April 2019. Written exam: Tuesday 7 th May 2019	Diploma in Financial Studies (DiFS) Unit 4 textbook
Term 3b	Revision		Optional – unit 4 retakes. On-line week beginning 10 th June 2019. Written exam: Friday 21 st June 2019.	Diploma in Financial Studies (DiFS) Unit 4 textbook

Curriculum Plan: History Year 13

	Enquiry Question(s)	Key Content	Key Assessments	Further Learning at Home
Term 1a	How can I do well on my Internal Assessment? How did slavery emerge in the USA?	<ul style="list-style-type: none"> • Finish additional Cold War content • Complete final drafts of Internal Assessment • Origins of slavery • Expansion and economic/social impact • The Middle Passage • Plantations • Resistance/rebellion/opposition 	<ol style="list-style-type: none"> 1. Complete Internal Assessment 2. Papers 1 and 2 in lessons 	<u>Reading List</u> <ul style="list-style-type: none"> • Individualised reading lists from topics of choice • The Slave Trade: A History of the Atlantic Slave Trade 1440-1870 by Hugh Thomas • The Middle Passage by Tom Feelings
Term 1b	How did the Americas experience the Cold War?	<ul style="list-style-type: none"> • Truman • Korean War and the US • Eisenhower/Dulles • Vietnam • Foreign policy • Canada/Latin America 	<ol style="list-style-type: none"> 3. MOCKS 1 (Papers 1, 2, 3) 	<u>Reading List</u> <ul style="list-style-type: none"> • The Cold War: A New History by John Lewis Gaddis • International Relations since 1945: A global History by John W. Young
Term 2a	How did people attempt to achieve equality in the USA post-1945?	<ul style="list-style-type: none"> • Indigenous people • African Americans • Feminism in the USA • Hispanic Americans • Youth culture and protests of the 1960s and 1970s 	<ol style="list-style-type: none"> 4. Papers 1,2,3 in lessons 	<u>Reading List</u> <ul style="list-style-type: none"> • History of the Americas 1880-1981 – Alexis Mamaux et al • The Politics of Protest: Social Movements in America by David S Meyer
Term 2b	How can I do well in IB HL History?	<ul style="list-style-type: none"> • Revision of all topics 	<ol style="list-style-type: none"> 5. MOCKS 2 	<u>Reading List</u> <ul style="list-style-type: none"> • All reading from throughout the year, including all textbooks and any additional resources/notes
Term 3a	How can I do well in IB HL History?	<ul style="list-style-type: none"> • Revision of all topics 	<u>IB HL Exams</u> <ul style="list-style-type: none"> • Tuesday 7th May 2019 pm – Paper 1, 1hour • Tuesday 7th May 2019 pm - Paper 2, 1 hour 30 minutes. • Wednesday 8th May 2019 am – Paper 3, 2 hours 30 minutes 	

Curriculum Plan: ITGS – Year 13

	Enquiry Question(s)	Key Content	Key Assessments	Further Learning at Home
Term 1a	What is the 2019 case study?	<ul style="list-style-type: none"> • 2019 case study • 3.10 IT Systems in organisations 	1. EA1 Exams: Past Paper exam questions	ITGSopedia http://itgsopedia.wikispaces.com Diigo: https://groups.diigo.com/group/itgsopedia ITGS for the IB Diploma Stuart Gray
Term 1b	Where can I find key resources related to the case study	<ul style="list-style-type: none"> • 2018 case study • 3.11 Robotics AI and expert systems 	2. Mock Exams 1: Past Paper exam questions	
Term 2a	What are the key techniques needed for paper 1	<ul style="list-style-type: none"> • Paper 1, 2, 3 preparation 	3. Past Paper exam questions	
Term 2b	What are the key techniques needed for paper 2	<ul style="list-style-type: none"> • Paper 1,2, 3 preparation 	4. Mock Exams 2: Past Paper exam questions	
Term 3a	ITGS Exams: <ul style="list-style-type: none"> • Friday 10th May 2019 pm – Paper 1, 2 hours 15 minutes • Monday 13th May 2019 am - Paper 2, 1 hour 15 minutes. • Monday 13th May 2019 am – Paper 3, 1 hour 15 minutes 			

Curriculum Plan: Mathematics Year 13

	Syllabus	Key Content	Key Assessments	Prerequisites
Term 1a	Pure	Unit 3: Functions and modelling	Unit Tests EA1 Exam	Pure (AS) Unit 1
	Pure	Unit 4: Series and sequences		Pure (AS) Unit 3
	Pure	Unit 5: The binomial theorem		Stats (AS) Unit 5
	Stats	Unit 1: Regression and correlation		Mech (AS) Unit 8
	Mech	Unit 4: Moments		
Term 1b	Pure	Unit 6: Trigonometry	Unit Tests Mocks 1	Pure (AS) Unit 3
	Pure	Unit 7: Parametric equations		Pure (AS) Unit 4
	Stats	Unit 2: Probability		Stats (AS) Unit 3
	Mech	Unit 5: Forces at any angle		Mech (AS) Unit 5
Term 2a	Pure	Unit 8: Differentiation	Unit Tests	Pure (AS) Unit 6
	Pure	Unit 9: Numerical Methods		Pure (AS) Unit 7
	Stats	Unit 3a: The Normal distribution		Stats (AS) Unit 3
	Mech	Unit 6: Applications of kinematics		
Term 2b	Pure	Unit 10: Integration (part 1)	Unit Tests Mocks 2	Pure (AS) Unit 7
	Pure	Unit 11: Integration (part 2)		Pure (AS) Unit 7
	Stats	Unit 3b: The Normal distribution		Stats (AS) Unit 3
	Mech	Unit 7: Applications of forces		Mech (AS) Unit 5
Term 3a	Pure	Unit 12: Vectors (3D)	Unit Tests	Pure (AS) Unit 5
	Stats	Unit 3c: The Normal distribution		Pure (AS) Unit 7
	Mech	Unit 7: Applications of forces		Mech (AS) Unit 5
Term 3b		Formal examination (A level)	5 th ,12 th ,14 th June 2019	

Curriculum Plan: IB Psychology Year 13

	Enquiry Question(s)	Key Content	Key Assessments*	Further Learning at Home
Term 1a	What is abnormal psychology?	Abnormal psychology <ul style="list-style-type: none"> • Influences on abnormal behaviour • Psychological research • Concepts of normality and abnormality • Cultural and ethical considerations • Cultural and gender variations in disorders • Different approaches to treatment • Etiology 	EA1 Exam	<u>Reading List:</u> The Man Who Mistook His Wife for a Hat – Oliver Sacks
Term 1b			Mock Exams 1	<u>Reading List:</u>
Term 2a	What is developmental psychology?	Developmental psychology <ul style="list-style-type: none"> • Influences on human development • Theories of cognitive development • How variables affect cognitive development • Attachment in childhood • Effects of deprivation or trauma in childhood • Resilience • Gender roles • Adolescence • Psychological research 		<u>Reading List:</u> We Are Our Brains – Dick Swaab
Term 2b			Mock Exams 2	<u>Reading List:</u>
Term 3a	How can I best prepare for my exams?	Revision	Psychology Paper 1: PM Friday 10 th May 2019 Psychology Papers 2 & 3: AM Monday 13 th May 2019	<u>Reading List:</u> Habits of Highly Effective People – Stephen Covey
Term 3b				

Curriculum Plan: BTEC Sport Year 13

Unit 5 and Unit 2	Enquiry Question(s)	Topic 1 2 lessons (Unit 5)	Topic 2 4 lessons (Unit 2) Up until term 3 when all 5 lessons to be used.	Key Assessments	Actual formal exam	Further Learning at Home
Term 1a	<p>What is the meaning of practicality, reliability and validity in relation to fitness testing?</p> <p>Analyse the key ethical issues associated with health screening.</p>	Understand the principles of fitness testing	<p>AO1 Demonstrate knowledge and understanding of the effects of lifestyle choices on an individual's health and well-being</p> <p>AO2 Apply knowledge and understanding of fitness principles and theory, lifestyle modification techniques, nutritional requirements and training methods to an individual's needs and goals</p>	Internal assignment LAA	Internal assignment LAA	<p>BTEC Nationals Sport Student Book</p> <p>Careers in Sport book</p> <p>Visit the UK sport website</p>
Term 1b	<p>What are the key fitness tests that assess physical and skill related fitness.</p> <p>What is the key procedure when administering tests?</p> <p>What are the positive and negative lifestyle factors that have an effect</p> <p>How are lifestyle modification techniques used to reduce unhealthy lifestyle behaviours?</p>	Explore fitness tests for different components of fitness	<p>AO3 Analyse and interpret screening information relating to an individual's lifestyle questionnaire and health monitoring tests</p> <p>AO4 Evaluate qualitative and quantitative evidence to make informed judgements about how an individual's health and well-being could be improved</p> <p>AO5 Be able to develop a fitness training programme with appropriate justification</p>	<p>Internal assignment LAB</p> <p>Working towards external assessment</p>	Internal assignment LAB	<p>BTEC Nationals Sport Student Book</p> <p>Careers in Sport book</p> <p>Visit the UK sport website</p>
Term 2a	<p>What are the key elements to a fitness profile and how will this help a selected performer?</p> <p>How does body language make a difference when giving feedback?</p> <p>What are the different methods of providing feedback to a sports performer?</p> <p>What is the appropriate screening documentation needed when referring an individual to a doctor?</p>	Undertake evaluation and feedback of fitness test results.		<p>Internal assignment LAC</p> <p>Working towards external assessment</p>	Internal assignment LAC	<p>BTEC Nationals Sport Student Book</p> <p>Anatomy and physiology for dummies</p>
Term 2b				Working towards internal assessment		<p>BTEC Nationals Sport Student Book</p> <p>Anatomy and physiology for dummies</p>
Term 3a				External assessment unit 2.		<p>BTEC Nationals Sport Student Book</p> <p>Human anatomy</p>