



Midsomer Norton
Schools Partnership
The Sixth Form

Sixth Form Extension Work 2023 - 2024

(Somerset Studio School Campus)

Applied Human Biology 13

Term	Title of Topic	What is the extension task?	Where do I find the resources?
1-3	Unit 1 - Principles of Applied Human Biology	<p>Practice analysing, interpreting and evaluating information in realistic human biology contexts, drawing conclusions that are well-reasoned and supported with evidence. Making complex connections between biological processes and health and disease in realistic human biology contexts.</p> <p>This can be done through past paper questions and scenario based questions and mark schemes.</p>	<p>Links on google classroom Pearson past papers Textbooks</p>
3-5	Unit 2 - Practical microbiology and Infectious diseases	<p>Research and practise the use of analytical techniques used in microbiology and other scientific fields to interpret data:</p> <ol style="list-style-type: none"> 1. The use of specific calculations used on excel and manually. 2. R operating system for statistical analysis 	<p>Links on google classroom Research links https://www.r-project.org Textbooks</p>

T Level Healthcare Science

Term	Title of Topic	What is the extension task?	Where do I find the resources?
Y12	Core Component, Section A: The Health and Science Sector	<ol style="list-style-type: none"> 1. Research case studies in which policies and procedures were not followed and where whistleblowing was performed eg. Winterbourne View. 2. Review your keywords, giving examples where these keywords would be appropriate. 3. Use past papers to practise exam questions. 	<p>Links on Google Classroom Textbook</p>
Y12	Core Component, Section B: Science in the Health Sector	<ol style="list-style-type: none"> 1. Review all of the organelles in Eukaryotic and Prokaryotic Cells, ensuring you know the structure and functions. 2. Annotate an ECG, explaining what each peak means and how you can tell when something is wrong with the heart. 3. Create an information poster to explain how waves are used in medical machinery, 	<p>Links on Google Classroom Textbook</p>

		such as MRI scanners, X-Rays etc. 4. Use past papers to practise exam questions.	
Y13	P01-P03	1. Watch videos and spend time practising techniques to collect and analyse samples. 2. Use past papers to practise exam questions.	

Forensic and Criminal Investigation 13

Term	Title of Topic	What is the extension task?	Where do I find the resources?
1-3	Unit 5- Applications of Criminology	<p>Develop understanding of criminological theories used to explain criminal behaviour in arguments, articulate and justify your judgement and practise the use of continuously drawing links to relevant information.</p> <ol style="list-style-type: none"> This can be done by completing set scenario tasks and past papers (Task 1 and 2). <p>Practice forming judgements to why an individual would be a victim of crime and the impact it has on them, using evidence from criminological theories to support your judgements.</p> <ol style="list-style-type: none"> This can be done by completing set scenario tasks and past papers (Task 3 and 4). 	<p>Links on google classroom Textbooks Pearson past papers</p>
3-5	Unit 10 - Forensic Fire Investigation	<ol style="list-style-type: none"> Using both knowledge gained from lessons and research create assessments of example fire scene investigations including: <ul style="list-style-type: none"> Appropriate and not appropriate forms of fire extinction. Evidence from the fire scene which describes the causation and behaviour of fire. Evaluate the methods used by the forensic fire team and the quality of evidence collected. Read through the article to develop decisions and justifications on the use of current and new scientific methods to analyse a fire crime scene 	<p>Links on google classroom https://enfsi.eu/wp-content/uploads/2021/03/ENFSI-BPM-FEI-01-004.pdf Pearson Textbook</p> <p>https://scholarship.richmond.edu/cgi/viewcontent.cgi?article=1329&context=jolt</p>

NCFE CACHE Technical Level 3 Diploma in Childcare and Education (EYE) Year 13 Triple

Term	Title of Topic	What is the extension task?	Where do I find the resources?
1	Unit 9 Supporting emergent literacy	Work on the higher A and A* Placement work Unit 16 Maths and English retake work if appropriate	Google drive Google classroom Resource table Text book Candidate handbook
	Unit 10 Supporting emergent maths	Work on the higher A and A* Placement work Unit 16 Maths and English retake work if appropriate	Google drive Google classroom Resource table Text book Candidate handbook
2	Unit 11 Preparing for school readiness	Work on the higher A and A* Placement work Unit 16 Maths and English retake work if appropriate	Google drive Google classroom Resource table Text book Candidate handbook
	Unit 12 International perspectives Unit 13 Reflective practice for professional development	Work on the higher A and A* Placement work Unit 16 Maths and English retake work if appropriate	Google drive Google classroom Resource table Text book Candidate handbook
3	Unit 14 Professional partnerships in Early Years Unit 16 Professional practice portfolio	Work on the higher A and A* Placement work Unit 16 Maths and English retake work if appropriate	Google drive Google classroom Resource table Text book Candidate handbook

Engineering BTEC

Term	Topics	Extension Task	
Yr13	exam Prep	<p>Write a 2000 word essay titled 'Machinery in the 21st century'. Discuss a minimum of 2 machines or technologies used to make or service machinery. Compare old with new. For example: a 1960s electric drill with a modern battery drill. Describe specific features that have changed and why.</p> <p>You must include 5 processes and 5 materials from the courses far (for example- casting, injection moulding: See list here if you need help: Engineering processes)</p>	<p>Any machinery you are exposed to in your life. For example: Hand drill, lawnmower, Air Fryer etc.</p> <p>Use google to look for specific models to compare detailed features and materials.</p>

T Level Engineering

Term	Title of Topic	What is the extension task?	Where do I find the resources?
Y12	Introducing materials	<p>Write a 2000 word essay titled 'Machinery in the 21st century'. Discuss a minimum of 2 machines or technologies used to make or service machinery. Compare old with new. For example: a 1960s electric drill with a modern battery drill. Describe specific features that have changed and why.</p>	<p>Any machinery you are exposed to in your life. For example: Hand drill, lawnmower, Air Fryer etc.</p> <p>Use google to look for specific models to compare detailed features and materials.</p>

T Level Education

Term	Title of Topic	What is the extension task?	Where do I find the resources?
Y12	ESP	<p>1. Find peer-reviewed papers regarding the different styles of teaching and approaches, e.g Montessori. Make notes.</p> <p>2. Write 2000 words on the title below, ensuring that your work is fully referenced: "Early Years Educators are the most important people in a child's life". Justify your thoughts on this.</p>	<p>Google Classroom</p> <p>Textbook</p> <p>Online (websites & Journal)</p>
Y12	Core Component	<p>1. Create an information powerpoint explaining the different educational approaches eg. Bowlby.</p> <p>2. Research the following SEN, identifying symptoms, diagnosis and how you can support the child as an educator:</p> <ul style="list-style-type: none"> - Autism - ADHD - Dyslexia - Dyspraxia - OCD - ODD - Anxiety 	<p>Google Classroom</p> <p>Textbook</p> <p>Online (websites & Journal)</p>

