

BTEC Applied Human Biology

Part A - Bridging Work Task

This is a fantastic opportunity to expand your understanding of Human Biology as you prepare for enrolment and start at Franklin in September.

Please complete the work and bring a copy to your enrolment, either printed or electronically.

The work will take around **2 hours**, so plan your time to best suit you.

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| How do I complete and submit my task? | <p>Complete the tasks on paper/handwritten or digitally and bring a copy either paper or electronically to your enrolment appointment, also take this to your first lesson in September.</p> <p>If you did not attend the Taster Day don't worry – this isn't essential for completing this work but, please ensure that you have completed this bridging work.</p> |
| Introduction to your Bridging Task | <p>This task relates to 'Vital Signs' which is part of the examined unit - Unit 1: Principles of Applied Human Biology</p> |
| Task details | <ol style="list-style-type: none">1. Watch the video about Vital Signs2. For the following Vital Signs:<ul style="list-style-type: none">➤ Blood Pressure➤ Heart Rate➤ Breathing Rate (respirations)➤ Temperature➤ Blood Oxygen Saturation <p>For each vital sign make sure your notes include:</p> <ol style="list-style-type: none">1. Equipment used to carry out the test.2. Basic method on how the test is carried out.3. Image of patient having the test carried out.4. Unit of measurement e.g. heart rate – beats per minute.5. State normal reference range. |
| Resources to help you with the Bridging Task | <p>Video link for diagnostic tests:</p> <p>Vital Signs Nursing: Respiratory Rate, Pulse, Blood Pressure, Temperature, Pain, Oxygen (youtube.com)</p> <p>You can also use the following websites to help with the task:</p> |

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| | <p>Student resource - Unit 1 Principles of Applied Human Biology (pearson.com)</p> <p>You can also use any other research sources and materials you wish.</p> |
| Extension Tasks | |
| Extension Tasks to stretch and challenge you | <p>If you have completed the above to the best of your ability, feel free to try this extension task (<i>this is optional</i>):</p> <ul style="list-style-type: none"> • Research abnormal vital signs (outside the normal reference range). Write notes about what they may indicate about the patients' health. |
| Massive Open Online Courses (MOOCs) | <p>You might enrol on these online courses and complete the following to push you a little further (this is optional):</p> <p>StanfordOnline: Introduction To Food & Health edX</p> <p>AdelaideX: Essential Human Biology: Cells and Tissues edX</p> |

BTEC Applied Human Biology

Part B – Preparing for Studying at Franklin

A fantastic opportunity to widen your understanding of the course.

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| Examining Board and Specification | <p>This course follows the BTEC Level 3 National Extended Certificate in Applied Human Biology specification: BTEC 2016 Specification (pearson.com)</p> <p>Exam Board: Pearson Edexcel</p> <p>Course Code: 603/3040/5</p> <p>We cover the following topics:</p> <ul style="list-style-type: none"> • Unit 1: Principles of Applied Human Biology • Unit 2: Practical Microbiology and Infectious Diseases • Unit 3: Human Biology and Health Issues • Unit 4: Functional Physiology <p>You will complete a range of written reports, projects, practical assessments and presentations.</p> <p>Studying this course will give you a wide range of skills:</p> <p>By studying this course, you will have the opportunity to develop the following employability skills:</p> |
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| | <ul style="list-style-type: none"> • cognitive and problem-solving skills: approaching non-routine problems applying expert and creative solutions, using systems and technology • interpersonal skills: communicating, working collaboratively, negotiating and influencing, self-presentation • intrapersonal skills: self-management, adaptability and resilience, self-monitoring and development. <p>This course provides transferable knowledge and skills that will prepare you for progression to university. These include:</p> <ul style="list-style-type: none"> • the ability to learn independently • the ability to research actively and methodically • the ability to give presentations and be active group members. <p>Progression after this course:</p> <p>This course will allow you to go on to study health-based courses such as nursing, midwifery, occupational health, sports science and physiotherapy.</p> <p>Human Biology is a key subject for lots of vocational careers such as Biomedical Scientist, Healthcare Scientist, Laboratory Technician, Midwifery, Nursing, Nutritionist, Occupational Therapist, Paramedic, Physiotherapist and Sports Scientist.</p> |
| <p>Preparing for the course</p> | <p>Here are some helpful sources of information if you would like further information about the subject:</p> <p>Websites</p> <p>Human Biology - Biology LibreTexts</p> <p>Higher Human Biology - BBC Bitesize</p> <p>Human biology: Insights into the human body (medicalnewstoday.com)</p> <p>Books</p> <p>Only the digital book available (see below)</p> <p>Digital Resources</p> <p>Student resource - Unit 1 Principles of Applied Human Biology (pearson.com)</p> |