



## 6<sup>th</sup> Form Transition Pack

QUALIFICATION	Level 3 Applied Diploma in Medical Science
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Exam board and link	WJEC Medical Science <a href="https://www.wjec.co.uk/media/kbwp3f2u/level-3-diploma-in-medical-science-specification-2018.pdf">https://www.wjec.co.uk/media/kbwp3f2u/level-3-diploma-in-medical-science-specification-2018.pdf</a>
Specification details	<p>601/7644/1</p> <p>Medical Science is the science of dealing with the maintenance of health and the prevention and treatment of diseases. The Level 3 Applied Diploma in Medical Science is for learners who are interested in careers related to healthcare and medical research.</p> <p>The main purpose of the qualification is to provide learners with the knowledge, understanding and skills in key scientific principles to support progress to higher education or employment in areas of Medical science, such as job roles in physiological sciences or clinical laboratory services. The qualification covers the key topic areas of health, physiology and disease, as well as providing the opportunity to study the areas of pharmacology, physiological measurement, clinical testing and medical research.</p> <p>In order to achieve the Level 3 Applied Diploma in Medical Science learners are required to complete 6 units:</p> <ul style="list-style-type: none"><li>• Human health and disease</li><li>• Physiological measurement techniques</li><li>• Medical Science research methods</li><li>• Medicines and treatment of disease</li><li>• Clinical laboratory techniques</li><li>• Medical case study</li></ul>
Recommended online learning	<p>Biochemical Society – resources for teaching concepts at Level 3</p> <p><a href="http://www.biochemistry.org/Education/Teachers.aspx">http://www.biochemistry.org/Education/Teachers.aspx</a></p> <p>apbi – resources for teaching cell biology</p> <p><a href="http://abpischools.org.uk/page/modules/cellbiology/.cfm?age=Age%20range%2016-19&amp;subject=Science">http://abpischools.org.uk/page/modules/cellbiology/.cfm?age=Age%20range%2016-19&amp;subject=Science</a></p> <p>The A level Biologist – resources for many parts of this unit</p> <p><a href="http://www.thealevelbiologist.co.uk/the-passage-of-water-through-a-plant">http://www.thealevelbiologist.co.uk/the-passage-of-water-through-a-plant</a></p>



	<p>S-cool – resources for many topics covered by this unit</p> <p><a href="http://www.s-cool.co.uk/a-level/biology">http://www.s-cool.co.uk/a-level/biology</a></p> <p>Society of biology – resources available for teaching this unit</p> <p><a href="http://www.societyofbiology.org/education/teaching-resources">http://www.societyofbiology.org/education/teaching-resources</a></p> <p>Office of National Statistics – useful for obtaining data to study nationwide prevalence of disease <a href="http://www.ons.gov.uk/ons/index.html">http://www.ons.gov.uk/ons/index.html</a></p> <p>NHS Choices – useful to study how lifestyle and disease affects health</p> <p><a href="http://www.nhs.uk/Pages/HomePage.aspx">http://www.nhs.uk/Pages/HomePage.aspx</a></p> <p>Nuffield Foundation – a number of practical activities available to support the teaching of this unit <a href="http://www.nuffieldfoundation.org/practical-biology/health-and-disease">http://www.nuffieldfoundation.org/practical-biology/health-and-disease</a></p> <p>Society for General Microbiology – many resources for teaching infectious diseases and microbiology <a href="http://www.sgm.ac.uk/">http://www.sgm.ac.uk/</a></p> <p>Public Health Wales- a useful website for information on health problems in Wales</p> <p><a href="http://www.publichealthwales.wales.nhs.uk/">http://www.publichealthwales.wales.nhs.uk/</a></p>
Recommended reading list	<p>There are no specific textbooks linked to this course, however please use the attached revision guide as a source and also the CGP Head start to Biology will make sure you have covered any gaps before you start the course.</p> <p><a href="https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/biology/bbr71-head-start-to-a-level-biology">https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/biology/bbr71-head-start-to-a-level-biology</a></p>
Transition Work	<p>Task 1 – Revise the heart and respiratory system from GCSE Biology and <b>make notes.</b></p> <p><a href="#">The heart - The circulatory system - GCSE Biology (Single Science) Revision - BBC Bitesize</a></p> <p><a href="#">The respiratory system - Respiratory system - GCSE Biology (Single Science) Revision - BBC Bitesize</a></p> <p><a href="#">The lungs (thenational.academy)</a></p> <p><a href="#">Blood and blood vessels (thenational.academy)</a></p> <p><a href="#">The heart (thenational.academy)</a></p> <p><a href="#">Heart rate (thenational.academy)</a></p> <p>Task 2 – Research the following physiological measurements and include what the test measures, how the test is performed, what the results of the test look like, how the results are interpreted and the limitations of the test.</p>



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|  | <ul style="list-style-type: none"><li>• Blood pressure monitor (sphygmomanometer)</li><li>• Peak flow meter</li><li>• ECG (Electro cardiogram)</li></ul> |
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PLEASE BRING ALL NOTES ON THE ABOVE TO YOUR FIRST MEDICAL SCIENCE LESSON. THIS WILL HELP YOU ENORMOUSLY WITH THE FIRST COURSEWORK THAT NEEDS TO BE COMPLETED.