



6th Form Transition Pack

QUALIFICATION	Level 3 Applied Diploma in Medical Science
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Exam board and link	WJEC Medical Science https://www.wjec.co.uk/media/kbwp3f2u/level-3-diploma-in-medical-science-specification-2018.pdf
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">• Human health and disease• Physiological measurement techniques• Medical Science research methods• Medicines and treatment of disease• Clinical laboratory techniques• Medical case study
Recommended online learning	<p>Biochemical Society – resources for teaching concepts at Level 3</p> <p>http://www.biochemistry.org/Education/Teachers.aspx</p> <p>apbi – resources for teaching cell biology</p> <p>http://abpischools.org.uk/page/modules/cellbiology/.cfm?age=Age%20range%2016-19&subject=Science</p> <p>The A level Biologist – resources for many parts of this unit</p> <p>http://www.thealevelbiologist.co.uk/the-passage-of-water-through-a-plant</p> <p>S-cool – resources for many topics covered by this unit</p>



	<p>http://www.s-cool.co.uk/a-level/biology</p> <p>Society of biology – resources available for teaching this unit</p> <p>http://www.societyofbiology.org/education/teaching-resources</p> <p>Office of National Statistics – useful for obtaining data to study nationwide prevalence of disease http://www.ons.gov.uk/ons/index.html</p> <p>NHS Choices – useful to study how lifestyle and disease affects health</p> <p>http://www.nhs.uk/Pages/HomePage.aspx</p> <p>Nuffield Foundation – a number of practical activities available to support the teaching of this unit http://www.nuffieldfoundation.org/practical-biology/health-and-disease</p> <p>Society for General Microbiology – many resources for teaching infectious diseases and microbiology http://www.sgm.ac.uk/</p> <p>Public Health Wales- a useful website for information on health problems in Wales</p> <p>http://www.publichealthwales.wales.nhs.uk/</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>https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/biology/bbr71-head-start-to-a-level-biology</p>

Important

If you wish to do Medical Sciences, you need to start by making sure you can recall all the GCSE content. Use your revision guides/booklets and make sure you are confident with the GCSE material before you move onto the A-level content.

We recommend you use Cornell Notes to prepare for your new course. Use the attached revision guide to know what to start making notes on. Please see these videos to help you develop the technique:

<https://youtu.be/WtW9IyE04OQ>



Once you are confident with the content at GCSE, then you can use the suggested websites to start to cover the content required for unit one of the new course.

Unit one – Human Health and Disease

Requires you to know about the following human body systems. You should use the attached resources to familiarise yourself as much as possible with these systems before the start of the course in September.

- Classes of biological molecules
- Cellular structure
- Movement into and out of cells
- Endocrine system
- Nervous system
- Digestive system
- Cardiovascular system
- Lymphatic system
- Respiratory system
- Integumentary system
- Immune system