

## POST 16 SUBJECT OVERVIEW

### Post 16 Subject Overview

#### Name of Subject

L3 Applied Diploma in Medical Science

#### Which Examination Specification is Studied for this Course?

WJEC

#### Why should I study this course?

This course offers students the chance to learn about the science behind dealing with the maintenance of health and the prevention and treatment of disease. It is ideal for students who are thinking of a career in healthcare or medical research.

The qualification allows students to access higher education courses, or equips students with the skills to enter employment in areas of medical science such as clinical laboratory services.

#### Who is suitable to study this course?

Students who enjoyed studying Biology at GCSE will enjoy what this course has to offer. It is ideal for students thinking of a career in healthcare, such as nursing and other healthcare careers. The subject links well with Psychology, Chemistry, Health and social care, or environmental sciences.

#### What GCSE Qualifications Support the Study of this Course?

Students should have a good pass at GCSE science.

#### What are the Qualification Requirements for this Course?

GCSE combined Science (Grade 4/4) or Triple Science (Grade 4/4/4)

#### How is the Course Delivered?

Learners have 5 hours of classroom time each week, and this will need to be supported by a similar amount of independent study when students are completing their assignment work. There is practical work involved for some of the assignments.

<b>Subject Overview</b>		
<b>Half Term</b>	<b>Year 12</b>	<b>Year 13</b>
<b>Autumn 1</b>	Human Health and disease	Medicines and treatment of disease
<b>Autumn 2</b>	Human Health and disease	Medicines and treatment of disease
<b>Spring 1</b>	Physiological measurement techniques	Medical case studies
<b>Spring 2</b>	Medical Science Research Methods	Clinical techniques: communicating with the public
<b>Summer 1</b>	Clinical Laboratory Techniques	Clinical techniques: communicating with the public
<b>Summer 2</b>	Consolidation and revision and exams	Consolidation and revision and exams



### **How is the Course Assessed?**

The assessment is a mixture of assignments completed throughout the course, and examinations that are marked externally. Learners are allowed two resits of the external units.

Unit 1 exam: Examines content from Unit 1, 2 and 3. It is a 2 hour exam and makes up 25% of the assessment.

Unit 2: Internally assessed coursework (12.5% of the final grade)

Unit 3: Internally assessed coursework (12.5% of the final grade)

Unit 4: Internally assessed coursework (25% of the final grade)

Unit 5: Task based assessment worth 12.5%

Unit 6 exam: Examines content from units 1-6. It is a 90 minute exam worth 12.5%

### **What is our Recommended Subject Reading list to Support your Study?**

#### Textbooks

A-level Biology Textbooks can be used to support this course

#### Websites

- Biochemical Society – resources for teaching concepts at Level 3

<http://www.biochemistry.org/Education/Teachers.aspx>

- apbi – resources for teaching cell biology

<http://abpischools.org.uk/page/modules/cellbiology/.cfm?age=Age%20range%2016-19&subject=Science>

- The A level Biologist – resources for many parts of this unit



<http://www.thealevelbiologist.co.uk/the-passage-of-water-through-a-plant>

- S-cool – resources for many topics covered by this unit

<http://www.s-cool.co.uk/a-level/biology>

- NHS Choices – useful to study how lifestyle and disease affects health

<http://www.nhs.uk/Pages/HomePage.aspx>

- Public Health Wales- a useful website for information on health problems in Wales

<http://www.publichealthwales.wales.nhs.uk/>

