Maelor Sixth



Medical Science WJEC Level 3

Subject Leader: Mrs N Williams

Introduction

WJEC Level 3 Alternative Academic Qualification in Medical Science is the science of dealing with the maintenance of health and the prevention and treatment of diseases.

Medical Science is dedicated to understanding the human body, diagnosing diseases, developing treatments and promoting overall health. It integrates various scientific disciplines to study the structure and function of the body, the mechanisms of disease and the ways to prevent and cure health issues.

The Course

Year One

- Unit 1 - Human Health and Disease
- Unit 2 - Physiological Measurement Techniques
- Unit 3 - Medical Science Research Methods

Year Two

- Unit 4 - Medicines and Treatment of Disease
- Unit 5 - Clinical Laboratory Techniques
- Unit 6 - Medical Case Study

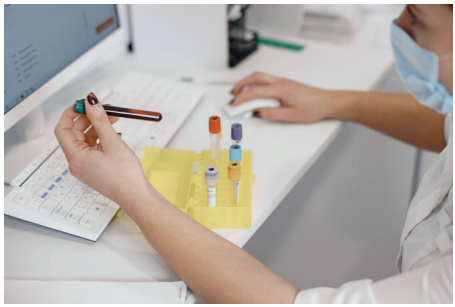
Assessment

Year 1

Unit 1 - Written examination worth 25%
Unit 2 - Coursework worth 12.5%
Unit 3 - Coursework worth 12.5%

Year 2

Unit 4 - Coursework is worth 20%
Unit 5 - Coursework is worth 15%
Unit 6 - Written examination worth 15%



Entry Requirement

GCSE grade C/4 in Science, English and Maths

Further Information

Medical advances have completely changed society and the way we live our lives. Dedicated research can lead to developing new pain relief through to pioneering double hand transplants. This is a fascinating and dynamic area of study. Medical scientists are at the forefront of healthcare services. They are vital in the diagnosis of disease, determining the effectiveness of treatments and searching for new cures.



Links to Future Careers

The course equips students with scientific knowledge and understanding, as well as practical skills that would support progression to degree courses or health related job roles such as:

- Medical Research
- Management of health organisations.
- Laboratory testing to support diagnosis and treatment of disease
- Areas of pharmacology
- Physiological measurement
- Clinical testing and medical research

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