Brigshaw SIXTH FORM

Pearson Level 3 Alternative Academic Qualification BTEC National

MEDICAL SCIENCE (EXTENDED CERTIFICATE)

Medical Science is a course designed to build knowledge and understanding of key human biological principles and develop scientific investigative skills. You will learn about human body systems, as well as developing scientific reporting skills.

FUTURE OPPORTUNITIES

This course provides students with the skills and knowledge required to study a degree in Nursing, Psychology and Physiotherapy. The skills acquired on this course will enable students to follow a scientific career path through university or through an apprenticeship. This course is ideal for learners who wish to pursue a career in the NHS, with a wide variety of suitable career paths in the medical industry.

ENTRY REQUIREMENTS

GCSE:

Grade 4-4 in Combined Science or Biology, 4 grade in English Language or English Literature and Grade 4 in Mathematics.

CONTACT:

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COURSE CONTENT & ASSESSMENT

Medical Science is a practical subject where students will apply scientific knowledge to investigations. You will learn how to run a valid investigation and evaluate conclusions to ensure reliability. This course covers human physiology, anatomy and pathology where you will learn about human body systems, cell ultrastructure and how substances are transported.

Learners will also study the immune system and learn how scientific research can be analysed to ensure new treatments are developed in a safe and reliable manner. In addition to this, you will study practical microbiology and infectious diseases to learn how pathogens spread in the environment. You will learn how to risk assess practicals thoroughly so that all health and safety guidance is followed at all times. This is a largely practical course, which follows on from biology topics studied at GCSE.

This course would be suitable in combination with Psychology, Sociology, Physical Education and Health and Social Care.

HOW THE COURSE IS EXAMINED

Students will complete two examination units (58%) and two coursework units (42%). The mandatory coursework unit is Practical Microbiology and Infectious Diseases. There is an additional optional coursework module.

EXAMINATIONS Year 12

- **Unit 1 - Principles of Human Physiology, Anatomy and Pathology (25% of total grade)**

EXAMINATIONS Year 13

- **Unit 2 - Health Issues and Scientific Reporting (33% of total grade)**