



URSULINE HIGH SCHOOL
& WIMBLEDON COLLEGE
SIXTH FORM

APPLIED SCIENCE

BTEC LEVEL 3 DIPLOMA

at Ursuline High School

EXAMINATION BOARD: Pearson - Edexcel

September 2021

URSULINE HIGH SCHOOL

CRESCENT ROAD

WIMBLEDON

LONDON SW20 8HA

020 8255 2688

enquiries@ursulinehigh.merton.sch.uk

Deputy Headteacher and Assistant Headteacher Key Stage 5:

Mr Didier Adam & Mr Ben Barton

WHAT WILL I STUDY IN THIS SUBJECT?

Your new BTEC Diploma in Applied Science use a combination of assessment styles to give your students confidence they can apply their knowledge to succeed in the workplace - and have the study skills to continue learning on higher education courses and throughout their career. This range of vocational assessments - both practical and written - mean students can showcase their learning and achievements to best effect when they take their next step, whether that's supporting applications to higher education courses or potential employers

You will develop skills in researching, report writing, giving presentations and working in a team. The course is taught over 10 per week for two years. BTEC Diplomas are qualifications that provide an exciting, stretching and relevant programme of learning for young people of all backgrounds and abilities. They offer a real alternative to traditional learning styles through an imaginative, high quality blend of general education and applied learning.

Learners will have the opportunity to develop personal learning and thinking skills, to develop skills such as team working and the vital communication skills they will need for life and work. The BTEC National Diploma is an exciting qualification that brings an innovative approach to learning. It enables students to gain knowledge, understanding and hands-on experience of sectors that they are interested in, while putting new skills into practice.

A Level 3 BTEC National Diploma is equivalent to 2 'A' levels at A-E grades.

| UNIT | GLH | BTEC National Diploma |
|---------------------------------------------------|-----|-------------------------------------------|
| | | |
| 1. Principles and Applications of Science I | 90 | Mandatory unit(Unit assessed externally) |
| 2. Practical Scientific Procedures and Techniques | 90 | Mandatory unit |
| 3. Science Investigation Skills | 120 | Mandatory unit (Unit assessed externally) |
| 4. Laboratory Techniques and their Application | 90 | Mandatory unit |

| | | |
|-----------------------------------------------------|------------|-------------------------------------------------|
| 5. Principles and Applications of Science II | 120 | Mandatory unit(Unit assessed externally) |
| 6. Investigative Project | 90 | Mandatory unit |
| 8. Physiology of Human Body Systems | 60 | Optional unit |
| 12. Diseases and Infections | 60 | Optional unit |

WHAT SKILLS AND INTERESTS DO I NEED FOR THIS SUBJECT?

You will need to have a keen interest in all aspects of science, particularly those related to medicine such as laboratory work, medical physics, human biology and analysis of public perceptions of science.

You will need to be an independent learner who is highly organised. The assessment is continuous and you will be expected to complete assignments independently.

HOW WILL I BE ASSESSED?

There are 3 types of assessment for the BTEC work:

- internally assessed assignment work;
 - coursework assessment tasks- set and marked by Pearson;
 - written exam - set and marked.
- 3 types of This requires high levels of organisation as every assignment must be completed to pass the course.

The available grades are:

| BTEC Level | Equivalent A-Level Grade |
|---------------------|---------------------------------|
| Distinction* | A* |
| Distinction | A |
| Merit | C |
| Pass | E |

WHAT OTHER SUBJECTS COMBINE WELL WITH THIS SUBJECT?

Chemistry

Psychology

Geography

Mathematics

Physics

Health and Social
Care

Sociology

TO WHAT FURTHER OR HIGHER EDUCATION COURSES COULD THIS SUBJECT LEAD?

Nursing

Midwifery

Veterinary Nursing

Laboratory Technician

Science based FE courses

WHAT CAREERS COULD THIS SUBJECT LEAD TO?

Nursing

Midwifery

Laboratory / Medical Technician

Phlebotomy

School Science Technician

FE/ HE Teaching

Pharmaceutical Research

Veterinary Nurse

RECOMMENDED READING:

The New Scientist
Biological Sciences Review
Science sections of a range of national press

USEFUL LINKS:<http://www.edexcel.co.uk>

ENTRY CRITERIA

Please refer to the Entry Criteria Insert to understand the Pathway requirements.

The entry criteria for this subject is: Grade 4 in English Language, Maths AND Science OR Merit in BTEC Science Level 2.