

BTEC Applied Science **SIXTH FORM**

*Don't be anonymous...
...be remarkable*

The BTEC Level 3 Extended Certificate in Applied Science course is specifically designed for students that are interested in learning about the science sector.

The course provides an opportunity to continue scientific study through a more applied route, one that gives more context to the learning within specific fields in Biology, Chemistry and Physics.

The course is assessed by a range of methods that suit the target industries of the content, these include external exam, internal coursework and synoptic practical work.

**Extended
Certificate**



56 UCAS points available

Student Profile

A successful student will need:

Grade 4 in GCSE Separate Sciences or 4-4 in Combined Science.

Grade 4 in GCSE Mathematics and English.

A scientifically inquisitive mind, constantly questioning what is happening in the world around them.

To be determined, self-motivated and prepared to work hard.

To work well independently and as part of a group.

Course Content (Edexcel)

The course is split into different modules that cover different knowledge and skills within the science sector.

- Principles and Applications of science: the key concepts of Biology, Chemistry and Physics
- Practical Scientific Procedures and Techniques: calibration, chromatography, calorimetry and lab safety
- Science investigation skills: development of scientific skills
- Physiology of Human Body Systems: a deeper understanding of the musculoskeletal system, the lymphatic system and the digestive system

Skills Gained

Students will develop skills to plan, record, process analyse and evaluate scientific findings, using secondary information from scientific investigations .

The course is designed to develop employability skills such as cognitive and problem-solving skills, interpersonal skills (communicating, working collaboratively and negotiating) and intrapersonal skills (self-management, adaptability and resilience)

Trips / Cultural Experiences

Catalent Pharma Solutions, Swindon

The Future - What Next?

The skills and knowledge gained will equip students to move directly into employment in fields that have analytical and industrial laboratories . It is also good preparation for health and care-related careers, or sport and health related disciplines.

The Level 3 Applied Science also provides a route onto a Higher Education course when achieved alongside other qualifications.



Zoe Stewart

MVB Veterinary Medicine,
PGCE

Teacher of BTEC Applied
Science / Villiers Park
Coordinator

StewartZ@
lydiardparkacademy.org.uk



Michelle Gosling

BSc (Hons) Biochemistry,
PGCE

Teacher of BTEC Applied
Science

GoslingM@
lydiardparkacademy.org.uk



**The Park
Academies
Trust**