

Our
Values



Pursuit
of Excellence



Value
our People



High Quality
Learning
Environment



Achievement
for all



Extending the
Boundaries
of Learning

CMAT | Cambridge Meridian
Academies Trust

Key Stage 5 BTEC Nationals Applied Science – Extended certificate

Year 12



Curriculum aims

Our curriculum is built upon the Pearson BTEC Nationals Applied Science specification. This is designed to teach students the Principles and Applications of science in the workplace and apply theories and evaluate research with a vocational context. We also develop students' English skills through extended report-writing and support development of IT skills as students complete coursework.

Curriculum content

BTEC Specification -
https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Applied-Science/2016/specification-and-sample-assessments/9781446938157_BTECNat_AppSci_Cert_Spec.pdf

- **Units 1 – Principles and Applications of science**
- **Unit 3 – Science Investigations Skills**

Curriculum Delivery

Students are taught by subject specialists in the three branches of Science. Students complete the 2 mandatory units which are externally assessed in year 12 through a mixture of examination and coursework elements.

Year 13



Year 13 builds on the work from year 12 to further develop practical skills and an understanding of how these are applied in a working laboratory environment. The optional module in Genetics reflects the growth in biotechnology in the local area.

• **BTEC Specification -**
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- **Unit 2 – Practical Scientific Procedures and Techniques**
- **Unit 8– Physiology of Human Body SYstems**

Students complete 1 further mandatory unit plus 1 optional unit to gain a total of 360 credits by the end of the course. The optional unit is internally assessed.

The extended certificate is equivalent to one GCE A level and is designed to be taken alongside other GCE A level subjects.