



ACADEMY
GREAT BARR

Curriculum Guide – Science Entry Level Certificate

Lead Professional: Mr Burlace

Members of Staff who teach Entry Level Certificate:

- Miss Bloomfield – Leader of Learning - Science
- Mr Brooks – Learning Consultant
- Miss Tromans – Learning Consultant

Exam Board and Specification:

<http://www.aqa.org.uk/subjects/science/elc/science-5960>

How the course is assessed:

One exam and one practical assessment per component, carried out throughout the course.

What we do in Entry Level Certificate :

Biology

1. [Component 1 - Biology: The human body](#)
2. [Component 2 - Biology: Environment, evolution and inheritance](#)

Chemistry

3. [Component 3 - Chemistry: Elements, mixtures and compounds](#)
4. [Component 4 - Chemistry: Chemistry in our world](#)

Physics

5. [Component 5 - Physics: Energy, forces and the structure of matter](#)
6. [Component 6 - Physics: Electricity, magnetism and waves](#)



ACADEMY
GREAT BARR

Curriculum Guide – Separate Sciences

Lead Professional: Mr Burlace

Members of Staff who teach Separate Sciences:

- Mrs Wilde – Assistant Vice Principal (Personalising Learning)
- Miss Thomson – Learning Consultant

Exam Board and Specification:

<http://www.aqa.org.uk/subjects/science/gcse/biology-8461>

<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>

<http://www.aqa.org.uk/subjects/science/gcse/physics-8463>

How the course is assessed:

Two papers for each science, Biology, Chemistry and Physics at the end of year 11

What we do in Separate Sciences:

Biology	Chemistry	Physics
<ol style="list-style-type: none"> 1. Cell biology 2. Organisation 3. Infection and response 4. Bioenergetics 5. Homeostasis and response 6. Inheritance, variation and evolution 7. Ecology 8. Key ideas 	<ol style="list-style-type: none"> 1. Atomic structure and the periodic table 2. Bonding, structure, and the properties of matter 3. Quantitative chemistry 4. Chemical changes 5. Energy changes 6. The rate and extent of chemical change 7. Organic chemistry 8. Chemical analysis 9. Chemistry of the atmosphere 10. Using resources 	<ol style="list-style-type: none"> 1. Energy 2. Electricity 3. Particle model of matter 4. Atomic structure 5. Forces 6. Waves 7. Magnetism and electromagnetism 8. Space physics (physics only)



ACADEMY
GREAT BARR

Curriculum Guide – Combined Science

Lead Professional: Mr Burlace

Members of Staff who teach Combined Sciences:

- Mr Burlace – Lead Professional
- Miss Bloomfield – Leader of Learning - Science
- Miss Thomson – Learning Consultant
- Miss Tillsley – Learning Consultant
- Mrs Mills – Learning Consultant
- Miss Tromans – Learning Consultant
- Mr Brooks – Learning Consultant

Exam Board and Specification:

(Link to Website)

<http://www.aqa.org.uk/subjects/science/gcs/e/combined-science-trilogy-8464>

How the course is assessed:

Two papers for each science, Biology, Chemistry and Physics at the end of year 11

What we do in Combined Science :

Biology	Chemistry	Physics
<ol style="list-style-type: none"> 1. Cell biology 2. Organisation 3. Infection and response 4. Bioenergetics 5. Homeostasis and response 6. Inheritance, variation and evolution 7. Ecology 	<ol style="list-style-type: none"> 1. Atomic structure and the periodic table 2. Bonding, structure, and the properties of matter 3. Quantitative chemistry 4. Chemical changes 5. Energy changes 6. The rate and extent of chemical change 7. Organic chemistry 8. Chemical analysis 9. Chemistry of the atmosphere 10. Using resources 	<ol style="list-style-type: none"> 1. Energy 2. Electricity 3. Particle model of matter 4. Atomic structure 5. Forces 6. Waves 7. Magnetism and electromagnetism