

**GCSE Equivalence Test
COMBINED SCIENCE
Guidance for Candidates**

The GCSE Equivalence tests in Combined Science offered by Educate Teacher Training are intended to provide you with the opportunity to gain a qualification which is equivalent to a double GCSE science qualification that would be awarded by one of the traditional awarding bodies – OCR, AQA, WJEC and Edexcel.

However, it is important for you to appreciate that while the majority of institutions and organisations will consider a Grade C or higher pass in an equivalence test as being equivalent to a grade C or higher GCSE award they are under no obligation to do so.

The Educate Teacher Training equivalence tests are written and marked by experienced examiners who have many years of marking and awarding science examinations.

OVERVIEW

- You can take either Foundation Tier Papers, papers F1 and F2 or Higher Tier Papers, papers H1 and H2.
- Foundation Tier Papers will offer grades G to C
Higher Tier papers will offer grades D to A*
- The structure of the equivalence test is as follows:

Foundation Tier

Paper 1 F1 Core Science	Written paper covering all 3 science subjects Time Allowed: 1 hour 60 marks (20 per subject) Calculator permitted	Paper 2 F2 Additional Science	Written paper covering all 3 science subjects Time Allowed: 1 hour 60 marks (20 per subject) Calculator permitted
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Higher Tier

Paper 1 H1 Core Science	Written paper covering all 3 science subjects Time Allowed: 1 hour 60 marks (20 per subject) Calculator permitted	Paper 2 H2 Additional Science	Written paper covering all 3 science subjects Time Allowed: 1 hour 60 marks (20 per subject) Calculator permitted
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Summary of Content for F301 & H301 Test Paper 1 – Core Science

Understanding Organisms	Fitness and health Human health and diet Staying healthy The nervous system
Understanding our Environment	Adaptations Natural selection Population and pollution Sustainability
Carbon Chemistry	Making crude oil useful Using carbon fuels Clean air Making polymers
Chemical Resources	Manufacturing chemicals: making ammonia Acids and bases Fertilisers and crop yield Chemicals from the sea: the chemistry of sodium chloride
Energy for the Home	Cooking and communicating using waves Data transmission Wireless signals Stable Earth
Living for the Future (Energy Resources)	Collecting energy from the Sun Generating electricity Global warming Fuels for power

Summary of Content for F301 & H301 Test Paper 2 – Additional Science

Living & Growing	Molecules of life Proteins and mutations Respiration Cell division
It's a Green World	Leaves and photosynthesis Diffusion and osmosis Transport in plants Farming
Chemical Economics	Rate of reaction (1) Rate of reaction (2) Percentage yield and atom economy Energy
The Periodic Table	Atom structure Ionic bonding The Periodic Table and covalent bonding The Group 1 elements
Forces for Transport	Speed Changing speed Falling safety The energy of games and theme rides
Radiation for Life	Sparks Uses of electrostatics What is radioactivity? Treatment