



SCIENCE

Key Stage 4

The WJEC GCSE Science (Double Award) specification provides a broad, coherent, satisfying and worthwhile course of study. It encourages learners to develop confidence in, and a positive attitude towards, science and to recognise its importance in their own lives and to society.

Studying GCSE Science (Double Award) provides the foundations for understanding the material world. Scientific understanding is changing our lives and is vital to the world's future prosperity, and all learners should be taught essential aspects of the knowledge, methods, processes and uses of science.

They should be helped to appreciate how the complex and diverse phenomena of the natural world can be described in terms of a small number of key ideas relating to the sciences which are both inter-linked, and are of universal application.



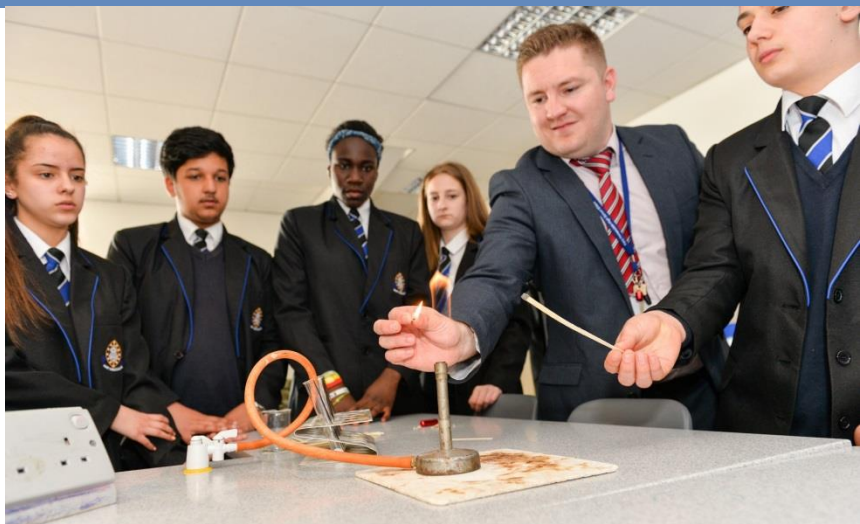
These key ideas include:

- * the use of conceptual models and theories to make sense of the observed diversity of natural phenomena
- * the assumption that every effect has one or more cause
- * that change is driven by differences between different objects and systems when they interact



* that many such interactions occur over a distance without direct contact · that science progresses through a cycle of hypothesis, practical experimentation, observation, theory development and review

* that quantitative analysis is a central element both of many theories and of scientific methods of inquiry.



Revision Help

<http://www.s-cool.co.uk/>

<http://www.bbc.co.uk/education/subjects/zrkw2hv>

<http://www.my-gcse-science.com/>

<http://www.bangor.ac.uk/ccm/gcse-revision>

<http://revisionworld.com/gcse-revision>

Science Days Out

<http://www.technquest.org>

<https://www.at-bristol.org.uk/>

<http://www.welshwildlife.org/nature-reserves/>

<http://www.rspb.org.uk/whatwedo/wales/>

www.sciencemuseum.org.uk