



LEARNING IN SCIENCE: YEAR 9

The best learning occurs when teachers, students and parents work together. Students will be most successful when they actively participate in their own learning. Students should understand how Science work is assessed so that they can continue to improve and make progress. This will support them in achieving their full potential.

For this to be effective:

- Students must complete all class and homework neatly in their exercise book.
- Students should carry out peer and self-assessment.
- Questions and comments from teachers and students should be written in the exercise book.
- Student marking should be done in a red pen.
- Annotations in exercise book should indicate improvements, corrections or tips on how to progress.
- Students should respond to all teacher comments or questions in green pen – 'green pen time'.

Useful Information about Year 9 Science

At Beal High School students in Year 9 are taught from the OCR Gateway Combined specification (GCSE Gateway Science Suite - Combined Science A (9-1) - J250). The following link will take you to the specification where you can see everything you will need to learn.

<http://www.ocr.org.uk/qualifications/gcse-gateway-science-suite-combined-science-a-j250-from-2016/>

All pupils will have access to Kerboodle, an online learning package containing textbooks and other learning resources. They will have been given a username and password.

Students will be required to complete a 'mid-unit assessment' every 6 lessons and an 'end of unit test' for each module taught in Year 9 for Biology, Chemistry and Physics. Teachers mark these tests and give them back to students. All formal GCSE examinations are at the end of Year 11.

We as a Science department are committed to ensuring that our students have sufficient opportunities to develop their ICT skills. To supplement work in Science it is expected that students use the internet to research the topics studied (e.g. through GCSE Bitesize, Planet Science, the use of Search Engines etc.).

Recommended resources

<https://www.oxford-royale.co.uk/articles/revision-study-skills-tips-science-a-level-students.html>

(Tips on how to revise)

<http://www.s-cool.co.uk/> (Lots of science information helping you with revision)

http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/

(Not yet up-dated for new specification but still very useful)

<https://www.mymaths.co.uk/> (Use your mymaths username and password to login and find science questions with tricky mathematical ideas)

Year 9 Science Assessments (dates outlined are approximate)



Data Capture	Combined Science (Biology)	Combined Science (Chemistry)	Combined Science (Physics)
October 2016 Settling in Review	Start B1	Start C1	Start P1
November 2016 17th Data Capture	B1.1/B1.2: Cell Structures & What happens in cells? Mid-unit assessment Kerboodle text pages 18-37	C1: Particles End of unit test Kerboodle text pages 18 - 34	P1: Matter (excluding P1.3) End of unit test Kerboodle text pages 18 - 33
January 2017 31st Parents' Evening	Start B1.3	C2.1: Purity and separating mixtures Mid-unit assessment Kerboodle text pages 36-51	P2.1: Motion Mid-unit assessment Kerboodle text pages 48-61
February 2017	B1: Cell-level systems End of unit test Kerboodle text pages 18-56	Start C2.2	Start P2.2
March 2017 23rd Data Capture	Start B2		P2.2: Newton's laws Mid-unit assessment Kerboodle text pages 62 - 77
April 2017	B2.1: Supplying the cell Mid-unit assessment Kerboodle text pages 58-71		
May 2017 8-12th Core Exams (Lower Sports Hall)	Revision for Core Exams	Revision for Core Exams C2.2: Bonding Mid-unit assessment Kerboodle text pages 52-73	Revision for Core Exams
June 2017 5-16th Core Exams (Lower Sports Hall) 22nd Data Capture	Core Examinations	Core Examinations	Core Examinations
July 2017	B2: Scaling up End of unit test Kerboodle text pages 58-86	C2: Elements, compounds and mixtures End of unit test Kerboodle text pages 36-84	P2: Forces End of unit test Kerboodle text pages 48-92