Sheldon School
A high performing school

Year 11
SEPARATE SCIENCE BIOLOGY

Subject Title	GCSE Biology
Exam board	AQA
Specification code	8461
Entry Level	Foundation and Higher Tier
Exam details	Two papers Duration – 1hour 45 minutes; 100 marks per paper Each paper 50% of GCSE Questions: Multiple choice, structure, closed short answer and open response **Biology Paper 1** Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics. **Biology Paper 2** Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.
Setting arrangements	N/A
Time allowed	12 lessons per fortnight 12 x 50 minutes
Textbooks and revision guides	**Textbooks** AQA GCSE Biology – 978-0-19-835937-1 On line version of text book is provided **Revision Guide** CGP – GCSE Biology ISBN:978-1-78-294556-7
Homework information	2 Homeworks per week x 50 minutes Exam style questions; Research; Assessment; Revision; and Retrieval practice

Term	Topics	Skills	Assessment
1	Review Ecology home learning	Practical and investigation skills.	Formative skills assessments focusing on required practicals.

	Biodiversity and the effect of human interaction on ecosystems Impact of environmental change Food production	Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing. Knowledge presentation. Mathematical skills.	Retrieval practice – exam style questions
2	Homeostasis and response Monoclonal antibodies The Brain The Eye Plant Hormones	Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing. Knowledge presentation. Mathematical skills.	Formative skills assessments focusing on required practicals. Retrieval practice – exam style questions Year 11 Mock Exams
3		Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing. Knowledge presentation. Mathematical skills.	Formative skills assessments focusing on required practicals. Retrieval practice – exam style questions
4	Inheritance, variation and evolution Asexual reproduction advantages/disadvantages DNA structure Cloning Theory of evolution	Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing.	Formative skills assessments focusing on required practicals. Retrieval practice – exam style questions

	Speciation Understanding genetics	Knowledge presentation. Mathematical skills.	
5		Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing. Knowledge presentation. Mathematical skills.	Formative skills assessments focusing on required practicals. Retrieval practice – exam style questions
6	Revision and exam preparation	Practical and investigation skills. Information retrieval. Listening and observing. Scientific reading. Data representation. Scientific writing. Knowledge presentation. Mathematical skills.	Formative skills assessments focusing on required practicals. Retrieval practice – exam style questions
Links to websites and revision materials:		Online text book - https://www.kerboodle.com/users/login Revision resources https://www.bbc.co.uk/bitesize/subjects/zrkw2hv Quizzes https://www.educationquizzes.com/gcse/science/ https://senecalearning.com/en-GB/	