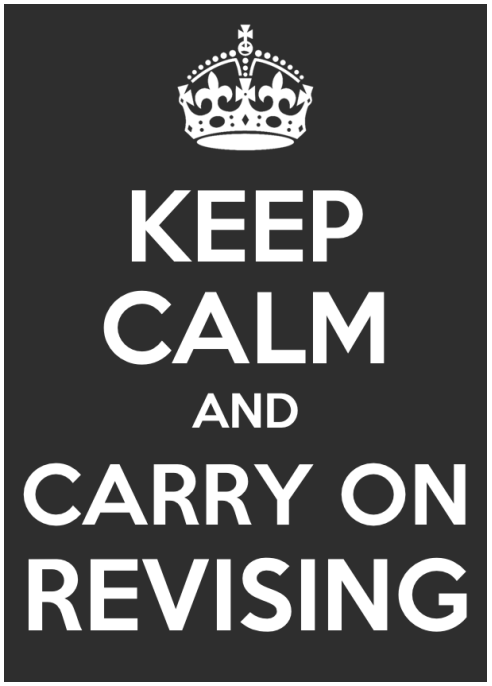
YEAR 11 Separate Sciences BIOLOGY REVISION PLAN 2020

PART	PERCENTAGE	WHAT IS IT?	DATE
Paper 1 1. Cell Biology 2. Organisation 3. Infection and response 4. Bioenergetics	50%	EXAM /100 1 hr 45 mins Multiple choice, structured, closed short answer and open response.	12th May PM
Paper 2 5. Homeostasis and response 6. Inheritance, variation and evolution 7. Ecology	50%	EXAM /100 1 hr 45 mins Multiple choice, structured, closed short answer and open response.	1st June PM

WAYS TO REVISE:

- **Its all about retrieval practice….!**
- **Spend 30 minutes on each day revising the topics specified**
- **Question and answer flash cards**
- **Knowledge organisers and quizzing (look, cover check method)**
- **Practical lab book**
- **CGP Revision guides - reading and then testing yourself**
- **CGP revision flash cards**
- **Assessment questions and specification- http://www.aqa.org.uk/subjects/science/gcse/biology-8461**
- **GCSE Bitesize (AQA Separate sciences Biology)**
- **Your class notes, reading them, testing yourself**
- **Use the timetable for topics to revise**
- **Use your mock to analyse what you need to revise**
- **Seek help from science staff if you are struggling with a particular topic**
- **Identify your areas of weakness and focus on them**
- **Dedicate each week to specific topics**
- **Get a lined paper notepad to make notes in for each topic using Cornell technique.**



Week beginning ⇩	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
20/01/19	B1.1	B1.2 and 3	B1.4	B2.1	B2.2	B2.3	B1.5 and 6
27/01/20	B2.4	B2.5	B2.6	B1.7	B1.8 and 9	B1.10	Complete Topic 1 end of unit test and review
03/02/20	B4.3	B4.4	B2.7	B2.8	B2.9	B4.5	B4.6
10/02/20	B4.1	B4.2	Complete Topic 4 end of unit test and review	B2.10	B2.11	B2.12	Complete Topic 2 end of unit test and review
17/02/20 HALF TERM	Go back to Unit 1 topics						
24/02/20	B3.1	B3.2	B3.3	B5.1	B5.2	B5.3	B5.4
02/03/20	B3.4	B3.5	B3.6	B3.7	B3.8	B5.5	B5.6
09/03/20	B3.9	B3.10	B3.11	B3.12	Complete Topic 3 end of unit test and review	Go back to Unit 2 topics	
16/03/20	Complete specimen paper 1 and review					B5.7	B5.8
23/03/20	B5.9	B5.10	B5.11	Go back to Unit 4 topics			
30/03/20	B7.1	B7.2	B7.3 and 4	B6.1	B6.2	Go back to Unit 3 topics	

06/04/20 EASTER	**B6.3**	**B6.4**	**B6.5**	**B7.5**	**B7.6**	**B7.7**	**B6.6**
13/04/20 EASTER	**Go back to Unit 5 topics**			**B6.7**	**B6.8**	**Complete Topic 5 end of test and review**	**B6.9**
27/04/20	**B6.10**	**B6.11**	**B7.8**	**B7.9**	**B7.10**	**Complete Topic 6 end of unit test and review**	
04/05/20	**B1**	**B2**	**B3**	**B4**	**Go back to Paper 1 topics**		
11/05/20	**Paper 1 topics**	**PAPER 1 EXAM**	**B7.11**	**B7.12**	**B7.13**	**Complete Topic 7 end of test and review**	
18/05/20	**Go back to Unit 5 topics**		**Go back to Unit 6 topics**			**Go back to Unit 7 topics**	
25/05/20 HALF TERM	**Go back to Unit 6 topics**		**Go back to Unit 7 topics**			**Go back to Unit 5 topics**	
01/06/20	**PAPER 2 EXAM**	**CELEBRATE!** ☺					

Paper one topics

**=required practical to revise

Topic B1 Cell Biology	✓	Topic B2 Organisation	✓	Topic B3 Infection and response	✓	Topic B4 Bioenergetics	✓
Microscopy**	1	Tissues and organs	1	Health, pathogens and disease	1	Photosynthesis**	1
Animal and plant cells	2	Digestive system	2	Culturing bacteria in a lab	2	Rates of photosynthesis	2
Eukaryotic and prokaryotic**	3	Chemistry of food**	3	Preventing infections	3	Glucose	3
Cell specialisation	4	Enzymes **	4	Viral and bacterial diseases	4	Aerobic respiration	4
Diffusion	5	How digestive system works	5	Fungi and protist diseases	5	Anaerobic respiration	5
Osmosis**	6	Efficiency of digestion	6	Human defence responses	6	Metabolism and liver	6
Active transport	7	Blood	7	Plant diseases	7		
Cell division	8	Blood vessels and heart	8	Plant defence responses	8		
Differentiation	9	Breathing and gas exchange	9	Vaccination and antibiotics	9		
Stem cells	10	Tissues and organs in plants	10	Discovering drugs	10		
		Transport systems in plants	11	Monoclonal antibodies	11		
		Transpiration	12	Cancer, smoking, alcohol (non communicable diseases)	12		

Paper two topics

Topic B5 Homeostasis and response	✓	Topic B6 Inheritance, Variation and Evolution	✓	Topic 7 Ecology	✓
Structure of nervous system	1	Sexual and asexual reproduction	1	Communities and their environment	1
Reflex actions**	2	DNA and protein synthesis	2	Distribution and abundance**	2
Brain	3	Gene expression and mutation	3	Competition in plants and animals	3
Eye	4	Inheritance- punnet squares	4	Adaptations in plants and animals	4
Blood glucose control	5	Inherited disorders and screening	5	Feeding relationships	5
Diabetes	6	Variation and natural selection	6	Carbon and water cycle	6
Hormones and menstrual cycle	7	Evolution	7	Human population	7
Controlling fertility	8	Selective breeding and genetic engineering	8	Pollution	8
Infertility treatments	9	Cloning	9	Deforestation and global warming	9
Plant hormones and uses**	10	Ethics of genetic technologies	10	Biodiversity	10
Temperature control	11	Theories of evolution	11		
Kidney	12	Speciation	12		
Dialysis and kidney transplants	13	Fossils and extinction	13		
		Antibiotic resistance	14		
		Classification	15		