

# Major themes of paper 1

ANYTHING NOT  
LISTED MAY BE  
TESTED BUT NOT  
HEAVILY

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Cells and stem cells	Cells and tissues	Term 1 Lessons 1 - 2
Transcription and translation	Cells and tissues	Term 3 Lesson 11
Genetic engineering	Cells and tissues	Term 3 Lesson 14
Mitosis	Cells and tissues	Term 2 Lesson 9
Mutations	Cells and tissues	Term 3 Lesson 13 revision sheet 1
Biological molecules	Biological molecules	Term 1 Lesson 10)
Investigate vitamin C in food	Biological molecules	Term 1 Lesson 11 core practical
Energy content in food	Biological molecules	Term 3 Lesson 3
Enzymes in industry	Biological molecules	Term 3 Lesson 7 (including core practicals)
Heart, blood and white blood cells	Internal transport	Term 2 Lesson 1 - 3
Kidneys	Homeostatic mechanisms	Term 1 Lesson 9
Temperature control	Homeostatic mechanisms	Term 2 Lesson 4
Controlling blood glucose	Homeostatic mechanisms	Term 3 Lesson 6
The liver in digestion	Homeostatic mechanisms	Term 3 Lesson 5 (section 4)
Demonstrating osmosis	Homeostatic mechanisms	Term 1 Lesson 4 (demonstrating osmosis section)

# Not to be tested in paper 1

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Characteristics of living organisms	Movement of substance in and out of cells	Term 1 Lesson 3 - 5
Bones and muscle	Bones, muscles and joints	Term 1 Lesson 6 and 7
Bacterial infectious diseases and antibiotics	Disease	Term 2 Lesson 5
Viral infectious diseases	Disease	Term 2 Lesson 6
Fungal and protozoan infectious diseases	Disease	Term 1 Lesson 7
Sewage treatment	Disease	Term 2 Lesson 8
White blood cells	Disease	Term 2 Lesson 3 revision sheet 1 (vaccines and the antigen-antibody reaction)

# Major themes of paper 2

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Cells and stem cells	Cells and tissues	Term 1 Lessons 1 - 2
Transcription and translation	Cells and tissues	Term 3 Lesson 11
Genetic engineering	Cells and tissues	Term 3 Lesson 14
Mitosis	Cells and tissues	Term 2 Lesson 9
Biological molecules	Biological molecules	Term 1 Lesson 10)
Investigate vitamin C in food	Biological molecules	Term 1 Lesson 11 core practical
Energy content in food	Biological molecules	Term 3 Lesson 3
Enzymes in industry	Biological molecules	Term 3 Lesson 7 (including core practicals)
Nervous system	Coordination	Term 1 Lesson 10
Hormones	Coordination	Term 1 Lesson 8
Ear and eye	Coordination	Term 1 Lesson 12 - 13
Mental illness and drugs	Coordination	Term 1 Lesson 14
Brain disease	Coordination	Term 1 Lesson 11
Heart, blood and white blood cells	Internal transport	Term 2 Lesson 1 - 3
Contraception	Reproduction and heredity	Term 4 Lesson 5 revision sheet 2
IVF	Reproduction and heredity	Term 4 Lesson 6 revision sheet 2 IVF section
Genetic diagrams	Reproduction and heredity	Term 3 Lesson 12
Haemophilia, colour blindness and polydactyly	Reproduction and heredity	Term 4 Lesson 1

Gene therapy	Reproduction and heredity	Term 3 Lesson 13 revision 2
Variation	Reproduction and heredity	Term 4 lesson 2 environmental variation section – also recognise sexual reproduction and genetics provides variation.
Bacterial infectious diseases and antibiotics	Disease	Term 2 Lesson 5
Viral infectious diseases	Disease	Term 2 Lesson 6
Fungal and protozoan infectious diseases	Disease	Term 1 Lesson 7
Sewage treatment	Disease	Term 2 Lesson 8
White blood cells	Disease	Term 2 Lesson 3 revision sheet 1 (vaccines and the antigen-antibody reaction)

**Not to be tested in  
paper 2**

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Characteristics of living organisms	Movement of substance in and out of cells	Term 1 Lesson 3 - 5
Bones and muscle	Bones, muscles and joints	Term 1 Lesson 6 and 7
Diet and BMI	Nutrition and energy	Term 2 Lesson 11
Food hygiene	Nutrition and energy	Term 3 Lesson 1

Teeth, decay and hygiene	Nutrition and energy	Term 3 Lesson 2
Digestive enzymes and the alimentary canal	Nutrition and energy	Term 3 Lesson 4 - 5
Respiration	Respiration	Term 3 Lesson 8
Ventilation	Gas exchange	Term 3 Lesson 9 and both core practical sheets
Smoking	Gas exchange	Term 3 Lesson 10 sections including and after 'smoking is bad for your health'

**Is there anything I  
can **not** revise at all?**

TOPIC	EDEXCEL DOCUMENT	REVISION SHEET
Characteristics of living organisms	Movement of substance in and out of cells	Term 1 Lesson 3 - 5
Bones and muscle	Bones, muscles and joints	Term 1 Lesson 6 and 7