Year 10 Trilogy Curriculum (Biology)

E I	lolly Lodg -19 Science Colle	e ge				
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Topic 3a – Infection and response Communicable diseases Pathogens and disease Preventing infection Viral, bacterial, fungal and	diseases Vaccinations Antibiotics and painkillers Discovery and	Principles of homeostasis The structure and function of the nervous system Reflex actions Principles of hormonal control The control of blood glucose levels Treating diabetes	Topic 5a – Homeostasis The role of negative feedback Human reproduction Hormones and the menstrual cycle Infertility treatment Topic 6a – Reproduction Types of reproduction Cell division in sexual reproduction DNA and the genome	Reproduction Inheritance Inherited disorders Screening for genetic disorders	Topic 6c- Variation and evolution Genetics and evolution Evidence for evolution Fossils and extinction Antibiotic resistant bacteria Classification
Assessment		work covered so far this year. To include review questions	Week beginning 4th January tests and review sessions will take place covering all work covered so far this year. To include review questions covering Topic 2: Organs and organ systems	Week beginning 1st March tests and review sessions will take place covering all work covered so far this year. To include review questions covering Topic 3: Infection and response	April tests and review sessions will take place covering all work covered so far this year. To include review questions	Week beginning 13 th July Whole school Assessment will take place covering all work covered in Year 9 & 10

Year 10 Separate Science Curriculum (Biology)

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Focus	Topic 3a – Infection and response Communicable diseases Pathogens and disease Growing bacteria in the lab Preventing bacterial growth Preventing infection Viral, bacterial, fungal and protest diseases Human defence systems	diseases Vaccinations Antibiotics and painkillers Discovery and development of drugs Monoclonal antibodies Non-communicable	Principles of homeostasis The nervous system Reflex actions The brain and the eye Topic 5b – Hormonal control The control of blood glucose levels Treating diabetes The role of negative feedback Human reproduction Hormones and the menstrual cycle Infertility treatment	Controlling body temperature Removing waste products The human kidney Kidney dialysis and transplants	evolution Variation Evolution by natural selection Selective breeding Genetic engineering Cloning Topic 6c- Genetics and	Revision Topic 7a Ecology The importance of communities Organisms in their environment Distribution and abunda Competition Adaptation
ssessment		Week beginning 1st November tests and review sessions will take place covering all work covered so far this year. To include review questions covering Topic 1: Cell Biology	Week beginning 4th January tests and review sessions will take place covering all work covered so far this year. To include review questions covering Topic 2: Organs and organ systems	Week beginning 1st March tests and review sessions will take place covering all work covered so far this year. To include review questions covering Topic 3: Infection and response	April tests and review sessions will take place covering all work covered so far this year. To include review questions	Week beginning 13 th Ju Whole school Assessment will take place covering all work covered in Year 9 & 10

Year 11 Trilogy Science Curriculum (Biology)

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Focus	Anaerobic respiration Topic 6a – Reproduction Inheritance Inherited disorders Screening for genetic disorders Topic 6b- Variation and evolution Variation	Selective breeding Genetic engineering Topic 6c- Variation and evolution Genetics and evolution Evidence for evolution Fossils and extinction Antibiotic resistant bacteria Classification	Topic 7a Ecology The importance of communities Organisms in their environment Distribution and abundance Competition Adaptation	Topic 7b Ecology Organising an ecosystem Feeding relationships Materials cycling The carbon cycle Topic 7c Ecology Biodiversity and the ecosystems Human population Pollution Deforestation and peat destruction Global warming Biodiversity	Revision and exam preparation	Revision and exam preparation
Assessment	October tests and review sessions will covering all work covered so far this year. To include review questions covering	Whole school assessment week starting 22nd November. Tests to cover all work in B1,B2,B3,B4 (Paper 1 content)	Week beginning 14 th February tests and review sessions covering all work covered so far this year. To include review questions Infection and response	Whole school assessment week starting 7 th March. Tests to cover all work in B5,B6,B7 (Paper 2 content)	GCSE Assessments	GCSE Assessments

Year 11 Separate Science Curriculum (Biology)

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Focus		Topic 6b- Variation and evolution Variation Evolution by natural selection Selective breeding Genetic engineering Cloning Topic 6c- Genetics and evolution Darwin, speciation Genetics and evolution Evidence for evolution Fossils and extinction Antibiotic resistant bacteria; Classification	Topic 7a Ecology The importance of communities Organisms in their environment Distribution and abundance Competition Adaptation	Topic 7b Ecology Organising an ecosystem Feeding relationships Materials cycling The carbon cycle Topic 7c Ecology Biodiversity and the ecosystems Human population Pollution Deforestation and peat destruction Global warming Biodiversity	Revision and exam preparation	Revision and exam preparation
Assessment	sessions will covering all work covered so far this year. To include review	Whole school assessment week starting 22 nd November. Tests to cover all work in B1,B2,B3,B4 (Paper 1 content)	Week beginning 14th February tests and review sessions covering all work covered so far this year. To include review questions Infection and response	Whole school assessment week starting 7 th March. Tests to cover all work in B5,B6,B7 (Paper 2 content)	GCSE Assessments	GCSE Assessments