

	Term 1	
Unit Title	Year 12 Biology	
Approximate Number of Lessons	28	
Curriculum Content	<p>Teacher 1 Unit 1 - Monomers and polymers Unit 1 - Carbohydrates Unit 1 - Lipids</p> <p>Teacher 2 Unit 2 - Cell structure Unit 2 - Transport across cell membranes</p>	<p>Teacher 1 Unit 1 – Proteins and enzymes Unit 1 – Nucleic acids Unit 1 – ATP Unit 1 – Water</p> <p>Teacher 2 Unit 2 - Cell recognition and the immune system Unit 4 – DNA, genes & chromosomes</p>
Links to prior learning	GCSE units: B1 – Cells, B2 – Organisation, B3 – Infection & Response, B6 - Inheritance	
Cultural Capital Opportunities	<p>The Hidden Life of the Cell - https://www.dailymotion.com/video/x6z0pzg https://www.nature.com/articles/s41379-021-00825-7 Natural History Museum - https://www.nhm.ac.uk/visit/galleries-and-museum-map.html - The Human Biology exhibit (Check opening) https://www.labster.com/simulations/microscopy/ The Immortal Life of Henrietta Lacks by Rebecca Skloot</p>	
Assessment Focus	1.1 Biological molecules 1.2 Nucleic acids 2.1 Cell structure 2.2 Transport across cell membranes & 2.3 Cell recognition & the immune system	
Name of Knowledge Organiser/Link to Organiser	Biology KO - Page 4-7 - Biology Teams	

	Term 2	
Unit Title	Year 12 Biology	
Approximate Number of Lessons	24	
Curriculum Content	<p>Teacher 1 Unit 1 - inorganic ions Unit 1 – Surface area to volume ratio</p> <p>Teacher 2 Unit 4 – DNA & protein synthesis Unit 4 – Genetic diversity as a result of human mutation</p>	<p>Teacher 1 Unit 3 - Gas exchange Unit 3 - Mass transport</p> <p>Teacher 2 Unit 4 – Genetic diversity and adaptation Unit 4 – Species and taxonomy Unit 4 - Biodiversity Unit 4 – Investigating biodiversity</p>
Links to prior learning	GCSE units: B2 Organisation, B6 Inheritance, B7 Ecology	
Cultural Capital Opportunities	Colchester Zoo / Banham Zoo https://www.theguardian.com/news/2018/mar/12/what-is-biodiversity-and-why-does-it-matter-to-us	
Assessment Focus	3.1 Exchange 3.2 Mass transport 4.1 DNA, genes & protein synthesis 4.2 Genetic diversity	
Name of Knowledge Organiser/Link to Organiser	Biology KO - Page 5, 8-9 - Biology Teams	

	Term 3	
Unit Title	Year 12 Biology	
Approximate Number of Lessons	22	
Curriculum Content	Teacher 1 Unit 3 – Mass transport Unit 3 – Digestion & absorption Revision and mock exams Teacher 2 Revision and mock exams	Summer 2 Teacher 1 Unit 7 - Inheritance Teacher 2 Unit 5 - Photosynthesis
Links to prior learning	GCSE units: B2 Organisation, B4 Photosynthesis, B6 Inheritance	
Cultural Capital Opportunities	Kew Gardens Cambridge Botanical Gardens	
Assessment Focus	4.3 Biodiversity	
Name of Knowledge Organiser/Link to Organiser	Biology KO - Page 8, 10-11, 14 - Biology Teams	