

**Anglo – Chinese School (Independent)**  
**International Baccalaureate Diploma Programme**  
**Course outline – Year 5 Biology Standard Level**

Theme	Topic	Title
A	1.1	Water
	1.2	Nucleic acid
	2.2	Cell structure
	3.1	Diversity of organisms
	4.1	Evolution and speciation
	4.2	Conservation of biodiversity
B	1.1	Carbohydrates and lipids
	1.2	Proteins
	2.1	Membranes and membrane transport
	2.2	Organelles and compartmentalization
	2.3	Cell specialization
	3.1	Gas exchange
	3.2	Transport
	4.1	Adaptation to environment
	4.2	Ecological niches
	C	1.1
1.2		Cell Respiration
1.3		Photosynthesis
2.2		Neural signalling
3.1		Integration of body systems
3.2		Defence against diseases
4.1		Populations and communities
4.2		Transfers of energy and matter
D	1.1	DNA replication
	1.2	Protein synthesis
	1.3	Mutations and gene editing
	2.1	Cell and nuclear division
	2.3	Water potential
	3.1	Reproduction
	3.2	Inheritance
	3.3	Homeostasis
	4.1	Natural Selection
	4.2	Stability and change
	4.3	Climate change

**Note:** Within each topic there are HL and SL content statements. Only the SL content statements will be taught.