

ST. JOSEPH'S COLLEGE

Department of Biology

Secondary 6 (2024-25)

Teaching Syllabus (NSE topics included)

S5	Content	Remarks
1 st Term	- Biotechnology (Aristo Bk4 Ch28, Bk8 Ch41-43)	<i>Knowledge needing attention:</i> <ul style="list-style-type: none"> - Use of primers in PCR and its applications - Different ways of doing DNA fingerprinting with the same general principles
	- Biodiversity (Aristo Bk4 Ch29)	<i>Knowledge needing attention:</i> <ul style="list-style-type: none"> - Classification under invertebrates is not required, but common sense is expected (e.g. insects have 6 legs) - Use only external features in dichotomous keys - Changes in the classification system is an example of NOS (how scientific knowledge changes with the advancement of technology and information available)
	- Ecology (Aristo Bk2C Ch20)	<i>Knowledge needing attention:</i> <ul style="list-style-type: none"> - Notice the most important relationship between 2 species when there are more than one relationship between them <p>NSE topic:</p> <p>- Conservation efforts in mainland China and in Hong Kong</p>
2 nd Term	- Evolution (Aristo Bk4 Ch30-31)	<i>Knowledge needing attention:</i> <ul style="list-style-type: none"> - Natural selection - Evolution does not necessarily mean speciation - Evolution can also be defined by changes in the gene pool (or changes in frequencies of characters in a population)