

School administrators, Heads of Learning Area – Science and Teachers of Biology ATAR Year 11 are requested to note for 2027 the following minor syllabus changes. The syllabus is labelled as ‘For teaching from 2027’.

Biology | ATAR Year 11 | Summary of minor syllabus changes for 2027

The content identified by ~~striketrough~~ has been deleted from the syllabus and the content identified in *italics* has been revised in the syllabus for teaching from 2027.

Unit 1

Science as a Human Endeavour

- identification and classification of an ~~ecological area as a conservation reserve~~ *areas (terrestrial and marine)* ~~also~~ requires consideration of the commercial and recreational uses of the area, as well as Indigenous Peoples’ usage rights
- *keystone species may be special targets for conservation efforts*; keystone species theory has informed many conservation strategies. ~~However, there are differing~~ *Differing* views about the effectiveness of single-species conservation in maintaining complex ecosystem dynamics *is subject to debate*

Unit 2

Science as a Human Endeavour

- ~~the cell membrane model has been continually reconceptualised and revised since the mid-nineteenth century and the currently accepted model, based on the evidence from improved technologies, is the fluid mosaic model~~
- developments in microscopy and *improved technologies* ~~associated preparation techniques~~ have contributed to more sophisticated models of cell structure and function
- ~~the use of probes technologies and computer analysis has further advanced the understandings of vital chemical processes in cells~~
- ~~current research for the production of food, beverages and biofuels, and the breakdown of rubbish, involves the control of cellular respiration and photosynthesis~~