

**School administrators, Heads of Learning Area – Mathematics and teachers of Mathematics Applications ATAR Year 11 are requested to note for 2025 the following minor syllabus changes. The syllabus is labelled as ‘For teaching from 2025’.**

### **Mathematics Applications | ATAR Year 11 | Summary of minor syllabus changes for 2025**

The content identified by ~~strike through~~ has been deleted from the syllabus. The content in italics has been included.

- 2.1.4 with the aid of an appropriate graphical display (chosen from dot plot, stem plot, bar chart or histogram), describe the distribution of a numerical data set in terms of modality (uni or multimodal), shape (symmetric versus positively or negatively skewed), location, ~~and~~ spread and outliers, and interpret this information in the context of the data
- 2.1.5 determine the mean and standard deviation of a data set using technology and *interpret* ~~use~~ these statistics as measures of location and spread of a data distribution, being aware of their limitations
- 2.1.11 compare groups *within* ~~on~~ a single numerical variable using medians, means, IQRs, ranges or standard deviations, ~~and~~ as appropriate; interpret the differences observed in the context of the data and report the findings in a systematic and concise manner
- 2.3.2 develop a linear ~~formula~~ *equation* from a word description, ~~and~~ solve the ~~resulting~~ *equation and interpret the result*
- 2.3.6 interpret, in context, the slope and intercepts of a straight-line graph used to model and analyse a practical situation

### **Assessment table-Year 11**

| Type of assessment  | Weighting |
|---|-----------|
| <p><b>Response</b></p> <p><del>Students respond using knowledge of mathematical facts, concepts and terminology, applying problem-solving skills and algorithms. Response tasks can include: tests, assignments, quizzes and observation checklists. Tests are administered under controlled and timed conditions.</del></p> <p><i>Students apply mathematical knowledge and understanding of concepts and relationships, to solve a mix of routine and non-routine questions in practical contexts. Response tasks can include: tests, assignments and multimedia representations.</i></p> | 40%       |

Note: Appendix 1 - Grade descriptions Year 11 have been reworded to improve clarity with no change in standard.