

School administrators, Heads of Learning Area – Mathematics and teachers of Mathematics Essential General Year 12 are requested to note for 2027 the following minor syllabus changes. The syllabus is labelled as ‘For teaching from 2027’.

Mathematics Essential | General Year 11 | Summary of minor syllabus changes for 2027

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

Unit 1.3 Measurement (22 hours)

Units of energy

1.3.15 use units of energy to describe consumption of electricity, such as kilowatt hours

1.3.16 use units of energy used for foods, including kilojoules and calories

1.3.17 use units of energy to describe the amount of energy expended during activity

1.3.18 convert from one unit of energy to another, such as calories/kilojoules

Examples in context – Units of energy:

- compare the ~~nutritional~~ energy *available from between* different types and amounts of foods and drinks *using nutrition information panels*
- ~~compare the energy required for different activities, considering duration and intensity of activity, ages, genders and/or body shapes~~
- compare energy used for operating different appliances for given times

Glossary

Direct proportion

The relationship between two quantities where the ratio of one quantity to the other remains constant.

~~Direct proportion involves situations where two values vary, but the ratio between the values stays the same.~~ For example, earnings over several weeks can be determined based on a constant weekly rate of pay.

Base wage

The foundational rate of pay for ordinary hours worked, excluding bonuses, allowances, or overtime. ~~Pay received for a given work period, as an hour or week, but not including additional pay, as for overtime work.~~