# Mathematics Standard 11–12 Syllabus (2024): Stage 6 (Year 11)Australian Curriculum mapping

The Australian Curriculum codes are listed under each syllabus focus area and its associated content groups.

| Formulas and equations | Linear relationships | Earning money | Managing money | Applications of measurement | Time and location | Networks, paths and trees | Data analysis |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Formulas and equations**ACMEM035ACMEM036ACMGM010ACMGM011 | **Linear modelling** ACMGM040ACMGM041ACMGM042ACMGM043 | **Ways of earning** ACMGM002ACMGM003 | **Purchasing goods** ACMEM013ACMGM006 | **Practicalities of measurement** ACMEM018ACMEM019ACMEM021ACMEM023ACMEM027ACMEM028ACMEM090ACMEM092ACMEM098ACMEM100ACMEM101ACMEM102 | **Positions on the Earth’s surface**ACMEM159ACMEM162ACMEM165 | **Network concepts**ACMGM078ACMGM079 | **Statistical investigation process**ACMEM132ACMEM133ACMGM026 |
|  | **Direct variation**ACMMM002 | **Taxation** No associated ACARA code | **Budgeting** ACMGM004 | **Perimeter, area and volume**ACMEM020ACMEM030ACMEM091ACMEM094ACMEM093ACMEM095ACMEM097ACMEM103ACMEM104ACMGM017ACMGM018ACMGM019ACMGM020 | **Time and time differences** ACMEM076ACMEM077ACMEM162 ACMEM163ACMEM164ACMEM166ACMEM167 | **Shortest paths and spanning trees**ACMGM083ACMGM084ACMGM101ACMGM102ACMGM103 | **Population and sample**ACMEM130ACMEM134ACMEM135ACMEM136ACMEM137 |
|  |  |  |  |  |  |  | **Data classification**ACMEM043ACMEM044ACMGM027ACMGM028 |
|  |  |  |  |  |  |  | **Display and interpret grouped and ungrouped data**ACMEM046ACMEM051ACMEM057ACMGM029 |
|  |  |  |  |  |  |  | **Measures of centre and spread**ACMGM030 |
|  |  |  |  |  |  |  | **Quartiles and interquartile range**ACMGM032 |
|  |  |  |  |  |  |  | **Five-number summary and box plots**ACMEM053ACMEM058ACMEM059 |
|  |  |  |  |  |  |  | **Clusters and outliers**ACMEM052ACMGM031 |

# Mathematics Standard 1 11–12 Syllabus (2024): Stage 6 (Year 12)Australian Curriculum mapping

The Australian Curriculum codes are listed under each syllabus focus area and its associated content groups.

| Algebraic relationships | Investment | Depreciation and loans | Right-angled triangles | Ratios and rates | Bivariate data analysis | Relative frequency and probability |
| --- | --- | --- | --- | --- | --- | --- |
| **Simultaneous linear equations**ACMEM126ACMGM044ACMGM045 | **Investment**ACMEM064ACMEM171ACMEM172ACMGM096 | **Depreciation**No associated ACARA code | **Right-angled triangles**ACMEM116ACMEM117ACMEM118ACMEM119ACMEM120ACMGM017ACMGM034 | **Ratios**ACMEM066ACMEM067ACMEM068ACMEM069ACMEM070ACMEM109ACMEM110ACMEM112 | **Bivariate datasets**ACMEM140ACMEM143ACMEM147 | **Relative frequency and probability**ACMEM152ACMEM155ACMEM156 |
| **Graphs of practical situations**No associated ACARA code |  | **Loans**ACMGM097ACMGM098 |  | **Rates**ACMEM015ACMEM016 | **Scatter plots and lines of best fit** ACMEM138ACMEM139ACMEM141ACMEM142ACMEM145ACMEM146ACMGM052ACMGM053 |  |
|  |  | **Credit cards**No associated ACARA code |  |  |  |  |

# Mathematics Standard 2 11–12 Syllabus (2024): Stage 6 (Year 12)Australian Curriculum mapping

The Australian Curriculum codes are listed under each syllabus focus area and its associated content groups.

| Algebraic relationships | Investment and loans | Annuities | Trigonometry | Ratios and rates | Network flow | Critical path analysis | Bivariate data analysis | Relative frequency and probability | The normal distribution |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Simultaneous linear equations**ACMEM126ACMGM044ACMGM045 | **Investment**ACMEM064ACMEM171ACMEM172ACMGM096 | **Annuities**ACMGM099ACMGM100 | **Trigonometry**ACMEM116ACMEM117ACMEM118ACMEM119ACMEM120ACMGM017ACMGM034ACMGM035ACMGM036ACMGM037 | **Ratios**ACMEM066ACMEM067ACMEM068ACMEM069ACMEM070ACMEM109ACMEM110ACMEM112 | **Network flow**ACMGM109 | **Critical path analysis**ACMGM104ACMGM105ACMGM106ACMGM107ACMGM108 | **Bivariate datasets**ACMEM140ACMEM143ACMEM147 | **Relative frequency and probability**ACMEM152ACMEM155ACMEM156ACMEM038 | **Normally distributed datasets**No associated ACARA code |
| **Exponential relationships**ACMMM065ACMMM066ACMMM067 | **Depreciation**No associated ACARA code |  |  | **Rates**ACMEM015ACMEM016 |  |  | **Scatter plots and lines of best fit**ACMEM138ACMEM139ACMEM141ACMEM142ACMEM145ACMEM146ACMGM052ACMGM053ACMGM054ACMGM057ACMGM060ACMGM061ACMGM062 |  | **Calculating z-scores**No associated ACARA code |
| **Quadratic relationships**ACMMM006ACMMM011 | **Loans**ACMGM097ACMGM098 |  |  |  |  |  |  |  | **Probability using z-scores**No associated ACARA code |
| **Reciprocal relationships**ACMMM012ACMMM013 | **Credit cards**No associated ACARA code |  |  |  |  |  |  |  |  |