# 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**  ACMEM035  ACMEM036  ACMGM010  ACMGM011 | **Linear modelling**  ACMGM040  ACMGM041  ACMGM042  ACMGM043 | **Ways of earning** ACMGM002  ACMGM003 | **Purchasing goods** ACMEM013  ACMGM006 | **Practicalities of measurement**  ACMEM018  ACMEM019  ACMEM021  ACMEM023  ACMEM027  ACMEM028  ACMEM090  ACMEM092  ACMEM098  ACMEM100  ACMEM101  ACMEM102 | **Positions on the Earth’s surface**  ACMEM159  ACMEM162  ACMEM165 | **Network concepts**  ACMGM078  ACMGM079 | **Statistical investigation process**  ACMEM132  ACMEM133  ACMGM026 |
|  | **Direct variation**  ACMMM002 | **Taxation**  No associated ACARA code | **Budgeting**  ACMGM004 | **Perimeter, area and volume**  ACMEM020  ACMEM030  ACMEM091  ACMEM094  ACMEM093  ACMEM095  ACMEM097  ACMEM103  ACMEM104  ACMGM017  ACMGM018  ACMGM019  ACMGM020 | **Time and time differences**  ACMEM076  ACMEM077  ACMEM162  ACMEM163  ACMEM164  ACMEM166  ACMEM167 | **Shortest paths and spanning trees**  ACMGM083  ACMGM084  ACMGM101  ACMGM102  ACMGM103 | **Population and sample**  ACMEM130  ACMEM134  ACMEM135  ACMEM136  ACMEM137 |
|  |  |  |  |  |  |  | **Data classification**  ACMEM043  ACMEM044  ACMGM027  ACMGM028 |
|  |  |  |  |  |  |  | **Display and interpret grouped and ungrouped data**  ACMEM046  ACMEM051  ACMEM057  ACMGM029 |
|  |  |  |  |  |  |  | **Measures of centre and spread**  ACMGM030 |
|  |  |  |  |  |  |  | **Quartiles and interquartile range**  ACMGM032 |
|  |  |  |  |  |  |  | **Five-number summary and box plots**  ACMEM053  ACMEM058  ACMEM059 |
|  |  |  |  |  |  |  | **Clusters and outliers**  ACMEM052  ACMGM031 |

# 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**  ACMEM126  ACMGM044  ACMGM045 | **Investment**  ACMEM064  ACMEM171  ACMEM172  ACMGM096 | **Depreciation**  No associated ACARA code | **Right-angled triangles**  ACMEM116  ACMEM117  ACMEM118  ACMEM119  ACMEM120  ACMGM017  ACMGM034 | **Ratios**  ACMEM066  ACMEM067  ACMEM068  ACMEM069  ACMEM070  ACMEM109  ACMEM110  ACMEM112 | **Bivariate datasets**  ACMEM140  ACMEM143  ACMEM147 | **Relative frequency and probability**  ACMEM152  ACMEM155  ACMEM156 |
| **Graphs of practical situations**  No associated ACARA code |  | **Loans**  ACMGM097  ACMGM098 |  | **Rates**  ACMEM015  ACMEM016 | **Scatter plots and lines of best fit**  ACMEM138  ACMEM139  ACMEM141  ACMEM142  ACMEM145  ACMEM146  ACMGM052  ACMGM053 |  |
|  |  | **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**  ACMEM126  ACMGM044  ACMGM045 | **Investment**  ACMEM064  ACMEM171  ACMEM172  ACMGM096 | **Annuities**  ACMGM099  ACMGM100 | **Trigonometry**  ACMEM116  ACMEM117  ACMEM118  ACMEM119  ACMEM120  ACMGM017  ACMGM034  ACMGM035  ACMGM036  ACMGM037 | **Ratios**  ACMEM066  ACMEM067  ACMEM068  ACMEM069  ACMEM070  ACMEM109  ACMEM110  ACMEM112 | **Network flow**  ACMGM109 | **Critical path analysis**  ACMGM104  ACMGM105  ACMGM106  ACMGM107  ACMGM108 | **Bivariate datasets**  ACMEM140  ACMEM143  ACMEM147 | **Relative frequency and probability**  ACMEM152  ACMEM155  ACMEM156  ACMEM038 | **Normally distributed datasets**  No associated ACARA code |
| **Exponential relationships**  ACMMM065  ACMMM066  ACMMM067 | **Depreciation**  No associated ACARA code |  |  | **Rates**  ACMEM015  ACMEM016 |  |  | **Scatter plots and lines of best fit**  ACMEM138  ACMEM139  ACMEM141  ACMEM142  ACMEM145  ACMEM146  ACMGM052  ACMGM053  ACMGM054  ACMGM057  ACMGM060  ACMGM061  ACMGM062 |  | **Calculating z-scores**  No associated ACARA code |
| **Quadratic relationships**  ACMMM006  ACMMM011 | **Loans**  ACMGM097  ACMGM098 |  |  |  |  |  |  |  | **Probability using z-scores**  No associated ACARA code |
| **Reciprocal relationships**  ACMMM012  ACMMM013 | **Credit cards**  No associated ACARA code |  |  |  |  |  |  |  |  |