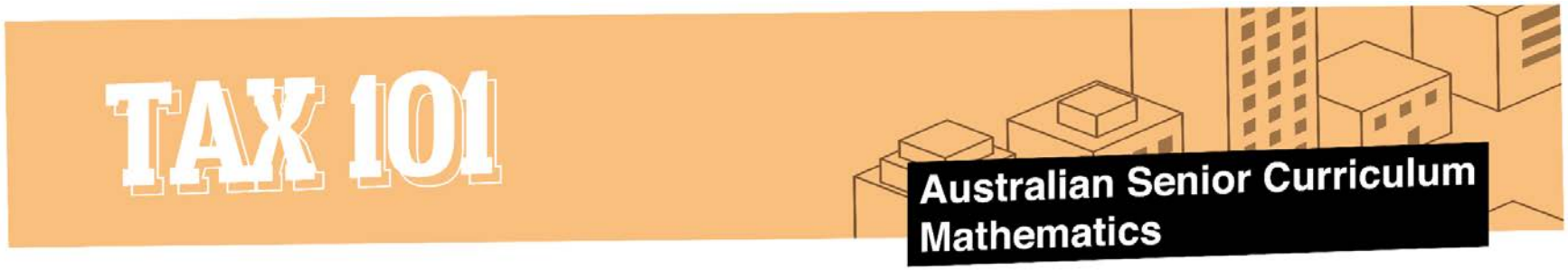
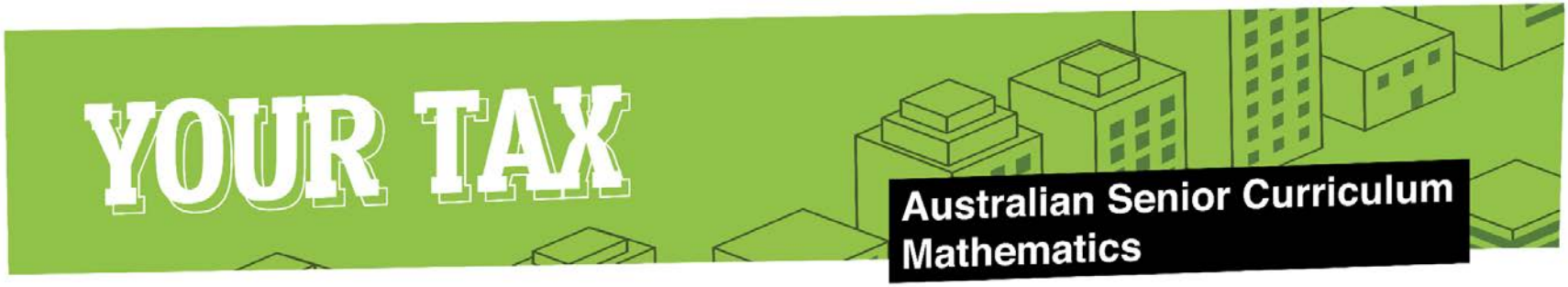


Tax 101 - Activity 1: What is tax and why do we need it? Years 11-12 Task	
Essential Mathematics	**Unit 1 - Topic 4: Graphs** • interpret information presented in graphs, such as conversion graphs, line graphs, step graphs, column graphs and picture graphs **(ACMEM037)** • discuss and interpret graphs found in the media and in factual texts.**(ACMEM039)** • determine which type of graph is best used to display a dataset **(ACMEM040)** • use spreadsheets to tabulate and graph data **(ACMEM041)** **Unit 2 - Topic 2: Percentages** • review calculating a percentage of a given amount **(ACMEM061)** • review one amount expressed as a percentage of another **(ACMEM062)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • review rates and percentages **(ACMGM001)** • calculate payments based on government allowances and pensions **(ACMGM003)** **Unit 2 - Topic 3: Linear equations and their graphs** • interpret piece-wise linear and step graphs used to model practical situations; for example, the tax paid as income increases **(ACMGM047)**

Tax 101 - Activity 2: Tax: who, what, how and why	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • ascertain the reasonableness of answers to arithmetic calculations **(ACMEM003)** • use a calculator for multi-step calculations **(ACMEM005)** • calculate a percentage of a given amount **(ACMEM011)** • determine one amount expressed as a percentage of another **(ACMEM012)** • apply percentage increases and decreases in situations; for example, mark-ups, discounts and GST. **(ACMEM013)** **Topic 4: Graphs** • interpret information presented in two-way tables **(ACMEM038)**
General Mathematics	**Unit 2 - Topic 3: Linear equations and their graphs** • interpret piece-wise linear and step graphs used to model practical situations; for example, the tax paid as income increases, **(ACMGM047)**

Tax 101 - Activity 4: The Budget: taxes and spending **Years 11-12 Task**	
Essential Mathematics	**Unit 1 - Topic 4: Graphs** • interpret information presented in graphs, such as conversion graphs, line graphs, step graphs, column graphs and picture graphs **(ACMEM037)** • discuss and interpret graphs found in the media and in factual texts. **(ACMEM039)** **Unit 2 - Topic 1: Representing and comparing data** • display numerical data as frequency distributions, dot plots, stem and leaf plots, and histograms **(ACMEM046)**

Tax 101 - Interactive: You make the decision	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • use a calculator for multi-step calculations **(ACMEM005)**



Your Tax - Activity 1: Income and income tax	
Essential Mathematics	**Unit 1 - Topic 4: Graphs** • interpret information presented in two-way tables **(ACMEM038)**

Your Tax - Activity 1: Income and income tax	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • use a calculator for multi-step calculations **(ACMEM005)** **Unit 2 - Topic 2: Percentages** **Subtopic: Percentage calculations** • review calculating a percentage of a given amount **(ACMEM061)** • review one amount expressed as a percentage of another **(ACMEM062)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • review rates and percentages **(ACMGM001)** • calculate the dividend paid on a portfolio of shares, given the percentage dividend or dividend paid per share, for each share; and compare share values by calculating a price-to-earnings ratio. **(ACMGM008)**

Your Tax - Activity 2: Working and paying tax	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • ascertain the reasonableness of answers to arithmetic calculations **(ACMEM003)** • use a calculator for multi-step calculations **(ACMEM005)** • calculate a percentage of a given amount **(ACMEM011)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • review rates and percentages **(ACMGM001)**

Your Tax - Activity 4: Calculating tax due	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • use a calculator for multi-step calculations **(ACMEM005)** • calculate a percentage of a given amount **(ACMEM011)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • review rates and percentages **(ACMGM001)**

Your Tax - Activity 5: What other taxes do I have to pay? **Years 11-12 Task**	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • calculate a percentage of a given amount **(ACMEM011)** • determine one amount expressed as a percentage of another **(ACMEM012)** • apply percentage increases and decreases in situations; for example, mark-ups, discounts and GST. **(ACMEM013)** **Unit 2 - Topic 1: Representing and comparing data** • calculate measures of central tendency, the arithmetic mean and the median **(ACMEM050)** **Topic 2: Percentages** • calculate simple interest for different rates and periods. **(ACMEM064)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • review rates and percentages **(ACMGM001)** • apply percentage increase or decrease in various contexts; for example, determining the impact of inflation on costs and wages over time, calculating percentage mark-ups and discounts, calculating GST, calculating profit or loss in absolute and percentage terms, and calculating simple and compound interest **(ACMGM006)**

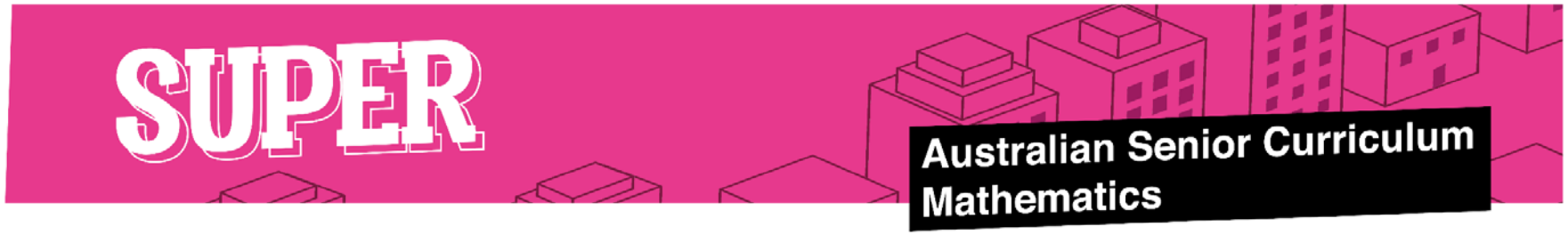
Your Tax - Activity 6: Fixing a tax problem	
Essential Mathematics	**Unit 2 - Topic 2: Percentages** • calculate simple interest for different rates and periods. **(ACMEM064)**

Business Tax - Activity 2: Business structures **Years 11-12 Task**	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • ascertain the reasonableness of answers to arithmetic calculations **(ACMEM003)** • use a calculator for multi-step calculations **(ACMEM005)** • calculate a percentage of a given amount **(ACMEM011)**

Business Tax - Activity 4: Explaining business taxes	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • determine one amount expressed as a percentage of another **(ACMEM012)** • apply percentage increases and decreases in situations; for example, mark-ups, discounts and GST. **(ACMEM013)** **Topic 4: Graphs** • interpret information presented in graphs, such as conversion graphs, line graphs, step graphs, column graphs and picture graphs **(ACMEM037)** • interpret information presented in two-way tables **(ACMEM038)** • use spreadsheets to tabulate and graph data **(ACMEM041)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • apply percentage increase or decrease in various contexts; for example, determining the impact of inflation on costs and wages over time, calculating percentage mark-ups and discounts, calculating GST, calculating profit or loss in absolute and percentage terms, and calculating simple and compound interest **(ACMGM006)**

Business Tax - Activity 5: The goods and services tax (GST)	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • ascertain the reasonableness of answers to arithmetic calculations **(ACMEM003)** • use a calculator for multi-step calculations **(ACMEM005)** • calculate a percentage of a given amount **(ACMEM011)** • determine one amount expressed as a percentage of another **(ACMEM012)** • apply percentage increases and decreases in situations; for example, mark-ups, discounts and GST. **(ACMEM013)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • apply percentage increase or decrease in various contexts; for example, determining the impact of inflation on costs and wages over time, calculating percentage mark-ups and discounts, calculating GST, calculating profit or loss in absolute and percentage terms, and calculating simple and compound interest **(ACMGM006)**

Business Tax - Activity 5: The goods and services tax (GST) Years 11-12 Task	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • ascertain the reasonableness of answers to arithmetic calculations **(ACMEM003)** • use a calculator for multi-step calculations **(ACMEM005)** • calculate a percentage of a given amount **(ACMEM011)** • apply percentage increases and decreases in situations; for example, mark-ups, discounts and GST. **(ACMEM013)** **Topic 2: Measurement** • calculate areas of rectangles and triangles. **(ACMEM024)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • apply percentage increase or decrease in various contexts; for example, determining the impact of inflation on costs and wages over time, calculating percentage mark-ups and discounts, calculating GST, calculating profit or loss in absolute and percentage terms, and calculating simple and compound interest **(ACMGM006)**



Super - Activity 1: What is superannuation?	
Essential Mathematics	**Unit 1 - Topic 4: Graphs** • interpret information presented in graphs, such as conversion graphs, line graphs, step graphs, column graphs and picture graphs **(ACMEM037)** • interpret information presented in two-way tables **(ACMEM038)**
General Mathematics	**Unit 4 - Topic 1: Time series analysis** • describe time series plots by identifying features such as trend (long term direction), seasonality (systematic, calendar-related movements), and irregular fluctuations (unsystematic, short term fluctuations), and recognise when there are outliers; for example, one-off unanticipated events. **(ACMGM088)**

Super - Activity 2: Where does super money come from?	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • ascertain the reasonableness of answers to arithmetic calculations **(ACMEM003)** • use a calculator for multi-step calculations **(ACMEM005)** • calculate a percentage of a given amount **(ACMEM011)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • calculate weekly or monthly wage from an annual salary, wages from an hourly rate including situations involving overtime and other allowances and earnings based on commission or piecework **(ACMGM002)**

Super - Activity 3: What do I need to do about super?	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • use a calculator for multi-step calculations **(ACMEM005)** • calculate a percentage of a given amount **(ACMEM011)** **Topic 3: Algebra** • substitute given values for the other pronumerals in a mathematical formula to find the value of the subject of the formula. **(ACMEM0362)** **Unit 2 - Topic 2: Percentages** • calculate simple interest for different rates and periods. **(ACMEM064)** **Unit 4 - Topic 3: Loans and compound interest** • understand the concept of compound interest as a recurrence relation **(ACMEM169)** • use technology to calculate the future value of a compound interest loan or investment and the total interest paid or earned **(ACMEM171)** • use technology to compare, numerically and graphically, the growth of simple interest and compound interest loans and investments **(ACMEM172)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • apply percentage increase or decrease in various contexts; for example, determining the impact of inflation on costs and wages over time, calculating percentage mark-ups and discounts, calculating GST, calculating profit or loss in absolute and percentage terms, and calculating simple and compound interest **(ACMGM006)** **Unit 4 - Topic 2: Loans, investments and annuities** • use a recurrence relation to model an annuity, and investigate (numerically or graphically) the effect of the amount invested, the interest rate, and the payment amount on the duration of the annuity **(ACMGM099)**

Super - Activity 3: What do I need to do about super? **Years 11-12 Task**	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** • solve practical problems requiring basic number operations **(ACMEM001)** • calculate a percentage of a given amount **(ACMEM011)**
General Mathematics	**Unit 1 - Topic 1: Consumer arithmetic** • calculate weekly or monthly wage from an annual salary, wages from an hourly rate including situations involving overtime and other allowances and earnings based on commission or piecework **(ACMGM002)**

Super - Activity 4: How do I choose a super fund?	
Essential Mathematics	**Unit 1 - Topic 4: Graphs** • interpret information presented in two-way tables **(ACMEM038)**

Super - Activity 4: How do I choose a super fund? Years 11-12 Task	
Essential Mathematics	**Unit 1 - Topic 1: Calculations, percentages and rates** **Topic 3: Algebra** • substitute given values for the other pronumerals in a mathematical formula to find the value of the subject of the formula. (ACMEM0362 **Topic 4: Graphs** • interpret information presented in graphs, such as conversion graphs, line graphs, step graphs, column graphs and picture graphs **(ACMEM037)** • draw a line graph to represent any data that demonstrate a continuous change, such as hourly temperature. **(ACMEM042)** **Unit 2 - Topic 1: Representing and comparing data** • calculate measures of central tendency, the arithmetic mean and the median **(ACMEM050)** **Unit 4 - Topic 3: Loans and compound interest** • understand the concept of compound interest as a recurrence relation **(ACMEM169)** • use technology to calculate the future value of a compound interest loan or investment and the total interest paid or earned **(ACMEM171)** • use technology to compare, numerically and graphically, the growth of simple interest and compound interest loans and investments **(ACMEM172)** • use technology and a recurrence relation to model a reducing balance loan **(ACMEM174)**
General Mathematics	**Unit 3 - Topic: Growth and decay in sequences** • use geometric sequences to model and analyse (numerically, or graphically only) practical problems involving geometric growth and decay **(ACMGM074)** **Unit 4 - Topic 2: Loans, investments and annuities** • use a recurrence relation to model an annuity, and investigate (numerically or graphically) the effect of the amount invested, the interest rate, and the payment amount on the duration of the annuity **(ACMGM099)** • with the aid of a financial calculator or computer-based financial software, solve problems involving annuities (including perpetuities as a special case **(ACMGM100)**
Mathematical Methods	**Unit 2 - Topic 2: Arithmetic and geometric sequences and series** • Establish and use the formula for the sum of the first n terms of a geometric sequence **(ACMMM075)** • use geometric sequences in contexts involving geometric growth and decay, such as compound interest **(ACMMM076)**