

TAX 101

WA Senior Curriculum Mathematics

Tax 101	Mathematics Essential Year 11	Mathematics Applications Year 11
Activity 1: What is tax and why do we need it? <ul style="list-style-type: none"> View Online View Print 	—	—
(Year 11-12 Task) Activity 1, Task 2: Government policies to reduce inequality <ul style="list-style-type: none"> View Print 	2.2.1 review calculating a percentage of a given amount 2.2.2 review one amount expressed as a percentage of another	—
Activity 2: Tax: Who, what, how and why <ul style="list-style-type: none"> View Online View Print 	1.1.3 understand the meaning and magnitude of numbers involved, including fractions, percentages and the significance of place value after the decimal point 1.1.14 determine one amount expressed as a percentage of another 1.1.15 apply percentage increases and decreases 1.4.2 interpret information presented in two-way tables 1.1.4 ascertain the reasonableness of answers, in terms of context, to arithmetic calculations 1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems 1.1.12 use a calculator appropriately and efficiently for multi-step calculations 1.1.13 calculate a percentage of a given amount, using mental/written strategies or technology when appropriate	2.3.10 interpret piece-wise linear and step graphs used to model practical situations

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Activity 3: How is tax revenue spent? <ul style="list-style-type: none"> • View Online • View Print 	—	—
Activity 4: The Budget: Taxes and spending <ul style="list-style-type: none"> • View Online • View Print 	—	—
(Year 11-12 Task) Activity 4, Task 2: Budgetary policy <ul style="list-style-type: none"> • View Print 	1.4.1 interpret information presented in graphs 1.4.3 discuss and interpret graphs found in the media and in factual sheets 2.1.4 display numerical data as frequency distributions, dot plots, stem and leaf plots and histograms	—
Interactive – You make the decision <ul style="list-style-type: none"> • View Online • View Print • 	1.1.3 understand the meaning and magnitude of numbers involved, including fractions, percentages and the significance of place value after the decimal point 1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems 1.1.12 use a calculator appropriately and efficiently for multi-step calculations	—

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Activity 5: History of tax in Australia <ul style="list-style-type: none">View OnlineView Print	—	—
Activity 6: Role of the ATO in Australia <ul style="list-style-type: none">View OnlineView Print	1.1.3 understand the meaning and magnitude of numbers involved, including fractions, percentages and the significance of place value after the decimal point	—

YOUR TAX

WA Senior Curriculum Mathematics

Your Tax	Mathematics Essential Year 11	Mathematics Applications Year 11
Activity 1: Income and income tax <ul style="list-style-type: none"> View Online View Print 	1.4.2 interpret information presented in two-way tables	
(Year 11-12 Task) Activity 1, Task 3: Franked dividends: Are they worth it? <ul style="list-style-type: none"> View Print 	1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems 1.1.12 use a calculator appropriately and efficiently for multi-step calculations 2.2.1 review calculating a percentage of a given amount 2.2.2 review one amount expressed as a percentage of another	1.1.7 calculate the dividend paid on a portfolio of shares given the percentage dividend or dividend paid for each share, and compare share values by calculating a price-to-earnings ratio
Activity 2: Working and paying tax <ul style="list-style-type: none"> View Online View Print 	1.1.4 ascertain the reasonableness of answers, in terms of context, to arithmetic calculations 1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems 1.1.12 use a calculator appropriately and efficiently for multi-step calculations 1.1.13 calculate a percentage of a given amount, using mental/written strategies or technology when appropriate	

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Your Tax	Mathematics Essential Year 11	Mathematics Applications Year 11
Activity 3: Completing your tax return <ul style="list-style-type: none"> View Online View Print 	—	—
Activity 4: Calculating tax due <ul style="list-style-type: none"> View Online View Print 	1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems 1.1.12 use a calculator appropriately and efficiently for multi-step calculations 1.1.13 calculate a percentage of a given amount, using mental/written strategies or technology when appropriate	
Activity 5: What other taxes do I have to pay? <ul style="list-style-type: none"> View Online View Print 	—	—

YOUR TAX

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Your Tax	Mathematics Essential Year 11	Mathematics Applications Year 11
(Year 11-12 Task) Activity 5, Task 2: What type of tax is this? <ul style="list-style-type: none">View Print	1.1.13 calculate a percentage of a given amount, using mental/written strategies or technology when appropriate 1.1.14 determine one amount expressed as a percentage of another 2.2.4 calculate simple interest 2.1.7 identify the mode and calculate other measures of central tendency, the arithmetic mean and the median, using technology when appropriate	1.1.5 apply percentage increase or decrease in various contexts
Activity 6: Fixing a tax problem <ul style="list-style-type: none">View OnlineView Print	2.2.4 calculate simple interest	

BUSINESS TAX

WA Senior Curriculum Mathematics

Business Tax	Mathematics Essential Year 11	Mathematics Applications Year 11
Activity 1: What is a business? <ul style="list-style-type: none"> View Online View Print 	—	—
Activity 2: Business structures <ul style="list-style-type: none"> View Online View Print 	1.1.4 ascertain the reasonableness of answers, in terms of context, to arithmetic calculations 1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems 1.1.12 use a calculator appropriately and efficiently for multi-step calculations 1.1.13 calculate a percentage of a given amount, using mental/written strategies or technology when appropriate	
Activity 3: Running a business: Tax obligations <ul style="list-style-type: none"> View Online View Print 	—	—
Activity 4: Explaining business taxes <ul style="list-style-type: none"> View Online View Print 	1.4.5 use spreadsheets to tabulate and graph data 1.4.1 interpret information presented in graphs 1.1.14 determine one amount expressed as a percentage of another	1.1.5 apply percentage increase or decrease in various contexts

BUSINESS TAX

WA Senior Curriculum Mathematics

Business Tax	Mathematics Essential Year 11	Mathematics Applications Year 11
<p>Activity 5: The goods and services tax (GST)</p> <ul style="list-style-type: none"> View Online View Print 	<p>1.1.4 ascertain the reasonableness of answers, in terms of context, to arithmetic calculations</p> <p>1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems</p> <p>1.1.12 use a calculator appropriately and efficiently for multi-step calculations</p> <p>1.1.13 calculate a percentage of a given amount, using mental/written strategies or technology when appropriate</p> <p>1.1.14 determine one amount expressed as a percentage of another</p>	<p>1.1.5 apply percentage increase or decrease in various contexts</p>
<p>(Year 11-12 Task) Activity 5, Task 3: Breaking even and GST</p> <ul style="list-style-type: none"> View Print 	<p>1.1.4 ascertain the reasonableness of answers, in terms of context, to arithmetic calculations</p> <p>1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems</p> <p>1.1.12 use a calculator appropriately and efficiently for multi-step calculations</p> <p>1.1.13 calculate a percentage of a given amount, using mental/written strategies or technology when appropriate</p> <p>1.3.8 calculate the area of rectangles and triangles and composites of these shapes</p>	<p>1.1.5 apply percentage increase or decrease in various contexts</p>
<p>Activity 6: How is business tax collected?</p> <ul style="list-style-type: none"> View Online View Print 	<p>—</p>	<p>—</p>

SUPER

WA Senior Curriculum Mathematics

Super	Mathematics Essential Year 11	Mathematics Applications	Mathematical Methods
<p>Activity 1: What is superannuation</p> <ul style="list-style-type: none"> • View Online • View Print 	<p>1.4.1 interpret information presented in graphs</p> <p>1.4.2 interpret information presented in two-way tables</p>	<p>4.1.2 describe time series plots by identifying features such as trend (long term direction), seasonality (systemic calendar-related movements), and irregular fluctuations (unsystematic, short term fluctuations), and recognize when there are outliers</p>	
<p>Activity 2: Where does super money come from?</p> <ul style="list-style-type: none"> • View Online • View Print 	<p>1.1.4 ascertain the reasonableness of answers, in terms of context, to arithmetic calculations</p> <p>1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems</p> <p>1.1.12 use a calculator appropriately and efficiently for multi-step calculations</p> <p>1.1.13 calculate a percentage of a given amount, using mental/written strategies or technology when appropriate</p>	<p>1.1.1 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</p>	

SUPER

WA Senior Curriculum Mathematics

Super	Mathematics Essential Year 11	Mathematics Applications	Mathematical Methods
<p>Activity 3: What do I need to do about super?</p> <ul style="list-style-type: none"> View Online View Print 	<p>1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems</p> <p>1.1.12 use a calculator appropriately and efficiently for multi-step calculations</p> <p>1.2.2 substitute values for the variables in a mathematical formula in given form to calculate the value of the subject of the formula</p> <p>2.2.4 calculate simple interest</p>	<p>1.1.1 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</p> <p>1.1.5 apply percentage increase or decrease in various contexts</p>	
<p>(Year 11-12 Task) Activity 3, Task 3: Superannuation and life expectancy: Outliving your money</p> <ul style="list-style-type: none"> View Print 	<p>1.1.6 choose and use addition, subtraction, multiplication and division, or combinations of these operations, to solve practical problems</p> <p>1.1.14 determine one amount expressed as a percentage of another</p> <p>4.3.2 understand the concept of compound interest as a recurrence relation</p> <p>4.3.4 use technology to calculate the future value of a compound interest loan or investment and the total interest paid or earned</p> <p>4.3.5 use technology to compare, numerically and graphically, the growth of simple interest and compound interest loans and investments</p>	<p>1.1.1 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</p> <p>1.1.5 apply percentage increase or decrease in various contexts</p>	

SUPER

WA Senior Curriculum Mathematics

Super	Mathematics Essential Year 11	Mathematics Applications	Mathematical Methods
Activity 4: How do I choose a super fund? <ul style="list-style-type: none"> View Online View Print 	1.4.2 interpret information presented in two-way tables		
(Year 11-12 Task) Activity 4, Task 3: Superannuation and inflation: A dollar today or in 45 years? <ul style="list-style-type: none"> View Print 	1.4.6 draw a line graph to represent any data that demonstrates a continuous change 1.4.1 interpret information presented in graphs 2.1.7 identify the mode and calculate other measures of central tendency, the arithmetic mean and the median, using technology when appropriate 1.2.2 substitute values for the variables in a mathematical formula in given form to calculate the value of the subject of the formula	3.2.8 use geometric sequences to model and analyse (numerically, or graphically only) practical problems involving geometric growth and decay 4.2.1 use a recurrence relation to model a compound interest loan or investment, and investigate (numerically or graphically) the effect of the interest rate and the number of compounding periods on the future value of the loan or investment 4.2.3 with the aid of a calculator or computer-based financial software, solve problems involving compound interest loans	2.2.8 establish and use the formula for the sum of the first n terms of a geometric sequence 2.2.9 use geometric sequences in contexts involving geometric growth and decay such as compound interest
Activity 5: Super, the ATO and you <ul style="list-style-type: none"> View Online View Print 	—	—	—