

SAMPLE SCOPE & SEQUENCE

Workplace Maths, LEVEL 2

Learning Design

Below is a suggested sequence of content for Workplace Maths MTW215120.

This is an example only; to be used to support teachers to develop their own scope and sequence documents and associated assessment matrices that meet the learning needs of their learners.

NOTE: This course may have been amended since the development of this sample teacher resource in 2019. Please visit the [TASC website](https://www.tas.gov.au/tasc) for current version of the course.

Week	Unit and Topic	Subtopic	Significant Assessments / Criteria Assessed / Weighting
1	Unit 1 – Measurement, time and Speed	Fractions and Directed numbers (pre unit 1)	Pre-unit Assessment Task – C4
		Distance and Perimeter	Investigation: Lines and Curves – C1, C2, C5
			Activity – Units based on the body – C1, C2, C5
2		Angles – a measure of turn	1.1.1 Distance and Length – C4, C5
			Investigation: Paper Protractor - C1, C2, C5
			1.2.1 Angles – C4, C5
3		Dials and Gauges	Investigation: Pentagon Knot – C1, C2, C5
			1.3.1 Dials and Gauges – C4, C5
			1.4.1 Weight and Mass – C4, C5
4		Pythagoras Theorem	Project: Pop-up card - – C1, C2, C5
			1.5.1 Pythagoras' Theorem – C4, C5
			Investigation: Tree height – C1, C2, C5
5		Speed and Rates	1.6.1 Measurement of Time – C4, C5
			1.7.1 Speed and Rates – C4, C5
			Investigation: Time Zones – C1, C2, C5

Week	Unit and Topic	Subtopic	Significant Assessments / Criteria Assessed / Weighting
			Investigation: Shortest Distance and Travel Times – C1, C2, C5
6			Unit 1 Assessment Task – C1, C4, C5
7	Unit 2 – Earning Money	Number skills (pre unit 2)	Pre-unit Assessment Task – C4
		Fractions and Percentages	Investigation: Percentage Walk – C2, C3, C7
			Investigation: Rebound Height – C2, C3, C7
			2.1.1 Fractions and directed numbers – C4, C7
			2.1.2 Operations involving fractions – C4, C7
8			2.1.3 Operations involving percentages – C4, C7
		Totals and balancing	2.2.1 Totaling and balancing – C4, C7
9		Budgeting	Investigation: Budgeting spreadsheet – C2, C3, C7
			Project: Food Budget – C2, C3, C7
10			Investigation: Value for money, unit pricing – C2, C3, C7
		Salaries, wages and tax	Investigation: Earning money and other income – C2, C3, C7
11			2.3.1 – Salaries, wages and incomes – C4, C7
		2.3.2 – Salaries and Tax calculations – C4, C7	
12		Unit 2 Assessment Task – C1, C4, C7	
13	Unit 3 – Tables, Graphs and Diagrams	Number skills (pre unit 3)	Pre-unit Assessment Task – C4
		Ratio and Scale	3.1.1 Ratio and Scale – C4, C6
			Investigation: Scale Drawing or Pizza Box Diorama – C2, C3, C7
14		Maps and Grids	3.2.1 maps and Grids – C4, C6
			Investigation: Google Earth Distances– C2, C3, C6
15			Investigation: Cradle Mountain Walk– C2, C3, C6
			Project: Design an Orienteering course– C2, C3, C6
16		Tables	3.4.1 Tables – C4, C6
17		Investigation: Post it! – C2, C3, C6	

Week	Unit and Topic	Subtopic	Significant Assessments / Criteria Assessed / Weighting
			Unit 3 Assessment Task – C1, C4, C6
18	Unit 4: Area and Volume	Number skills (pre-unit 4)	Pre-unit assessment task – C4
19		Perimeter and area	Investigation: perimeters and areas around the school/college – C2, C3 and C5
			4.1 Perimeter and area – C4, C5
20		Volume and capacity	Investigation: stretching the circle – C2, C3 and C5
			4.2 Volume and capacity – C4, C5
21			Investigation: How many jelly beans are in the jar? – C2, C3 and C5
22			Project: Table tennis ball box project – C2, C3 and C5
23			Investigation: Making a tray with the largest volume! – C2, C3 and C5
		Unit 4 Assessment Task – C1, C4, C5	
24	Unit 5: Saving and Spending	Number skills (pre-unit 5)	Pre-unit assessment task – C4
25		Percentage calculations involving money	Investigation: Percentage error – C2, C3 and C7
			5.1 Discounts and Mark ups – C4, C7
			Investigation: Discount Prices – C2, C3 and C7
26		Financial transactions - banking	Investigation: Banking transactions – C2, C3 and C7
			Investigation: Fashion costs or Phone Plans – C2, C3 and C7
27		Interest types	5.2 Interest and Loans – C4, C7
			Investigation: My first car – C2, C3 and C7
28		Investigation: payday loans – C2, C3 and C7	
29		Unit 5 Assessment Task – C1, C4, C7	
30	Unit 6: Graphs and data	Number skills (pre-unit 6)	Pre-unit assessment task – C4
		Data and types of averages	Investigation: Decoding – C2, C3, C6
			6.1 Mean, mode and median – C4, C6
31	Tallying data	6.2 Tallying & the frequency distribution table – C4, C6	

Week	Unit and Topic	Subtopic	Significant Assessments / Criteria Assessed / Weighting
			Investigation: Making Popcorn! – C2, C3 and C6
		Graph types – conversion graphs, line graphs, step graphs, column graphs, pie charts and picture graphs	Project: Understanding key features of graph types
32		Graphical data – presenting and interpreting	6.3 Reading and constructing data in graphical form – C4, C6
	6.4 Using MS Excel to graph data – C4, C6		
33			6.5 Misleading graphs – C4, C6
			Investigation: Survey types – C2, C3 and C6
			Project: Survey – C2, C3 and C6
34			Investigation: Reading age – C2, C3 and C6
			Unit 6 assessment task – C1, C4, C6
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Each of the assessments highlighted in bold are designed so that they can be used as a major assessment piece. In line with the work requirements of the course it is a requirement that students complete a minimum of three major assessments. For this reason, teachers may choose not to use a major assessment in some units dependent upon timetabling, attendance and other factors.

Note that the end of term 4 is yet unknown and this date has been used as a guide.

When modifying this scope and sequence for your school or college it is important that:

- Any changes do not negatively impact upon the requirements of the course as stated in the course information provided by TASC
- The scope and sequence reflects your college or school and the resources that you have available to you to deliver the course

Support link:

<https://www.tasc.tas.gov.au/students/courses/mathematics/mtw215119/>

