Year Level Plan	Year 7	Semester 1	Mathematics		AC Australian CURRICULUM
		Term 1		Term 2	
Unit 1		Unit 2	Unit 3		Unit 4

Unit 1	Unit 2	Unit 3	Unit 4
In Unit 1 students will be working mathematically within the following content and explore how the content is explored or developed. At this year level: - **understanding** includes describing patterns in uses of indices with whole numbers, recognising equivalences between fractions, decimals - **fluency** includes calculating accurately with integers, representing fractions and decimals in various ways - **problem-solving** includes formulating and solving authentic problems using numbers and measurements - **reasoning** includes applying the number laws to calculations, applying an understanding of ratio	In Unit 2 students will be working mathematically within the following content and explore how the content is explored or developed. At this year level: - **understanding** connecting the laws and properties of numbers to algebraic terms and expressions - **fluency** includes calculating accurately with integers, representing fractions and decimals in various ways and calculating areas of shapes and volumes of prisms - **problem-solving** includes formulating and solving authentic problems using numbers and measurements - **reasoning** includes applying the number laws to calculations, applying known geometric facts to draw conclusions about shapes	In Unit 3 students will be working mathematically within the following content and explore how the content is explored or developed. At this year level: - **understanding** plotting points on the Cartesian plane, and connecting the laws and properties of numbers to algebraic terms and expressions - **fluency** includes calculating accurately with integers, representing fractions and decimals in various ways, - **problem-solving** includes formulating and solving authentic problems using numbers and measurements, - **reasoning** includes applying the number laws to calculations, and interpreting data displays.	In Unit 4 students will be working mathematically within the following content and explore how the content is explored or developed. At this year level: - **understanding** includes recognising equivalences between fractions, decimals, percentages and ratios, and connecting the laws and properties of numbers to algebraic terms and expressions - **fluency** includes calculating accurately with integers, representing fractions and decimals in various ways - **problem-solving** includes formulating and solving authentic problems using numbers and measurements - **reasoning** includes applying the number laws to calculations, applying an understanding of ratio and interpreting data displays

Assessment Tasks			
Summative Assessment Task 1: 60 - 70 min Test at the end of Unit 1 (Unit 1 only) Unit 1 is an 8-week unit. **Approximately Week 9 Term 1** **Semester Weighting: 30%**	**Summative Assessment Task 2:** In class assignment over 5 lessons in Week 8/9. 4 Lesson in Class Extended Problem Solving Activity. Each Lesson students are to complete the activity in that given lesson. **Approximately Week 8 and 9 Term 1** ***No take home components** are part of the conditions.* **Semester Weighting: 30%**		**Summative Assessment Task 3: 60 - 70 min** Test at the end of Unit 3, 4 **Approximately Week 9 Term 2** **Semester Weighting: 40%**

Year Level Plan	Year 7	Semester 2	Mathematics	
		Term 3	**Term 4**	
Unit 5	**Unit 6**	**Unit 7**	**Unit 8**	

Unit 5	Unit 6	Unit 7	Unit 8
In Unit 5 students will be working mathematically within the following content and explore how the content is explored or developed. At this year level: • **understanding** recognising equivalences between fractions, decimals, percentages and ratios. • **fluency** includes calculating accurately with integers, representing fractions and decimals in various ways, investigating best buys. • **problem-solving** includes formulating and solving authentic problems using numbers and measurements. • **reasoning** includes applying the number laws to calculations, applying an understanding of ratio.	In Unit 6 students will be working mathematically within the following content and explore how the content is explored or developed. At this year level: • **understanding** plotting points on the Cartesian plane, identifying angles formed by a transversal crossing a pair of lines. • **fluency** includes calculating accurately with integers, representing fractions and decimals in various ways. • **problem-solving** includes formulating and solving authentic problems using numbers and measurements, working with transformations and identifying symmetry, calculating angles. • **reasoning** includes applying the number laws to calculations, applying known geometric facts to draw conclusions about shapes.	In Unit 7 students will be working mathematically within the following content and explore how the content is explored or developed. At this year level: • **understanding** includes recognising equivalences between fractions, decimals, percentages and ratios, • **fluency** includes calculating accurately with integers, representing fractions and decimals in various ways. • **problem-solving** includes formulating and solving authentic problems using numbers and measurements, and interpreting sets of data collected through chance experiments • **reasoning** includes applying the number laws to calculations, applying, and applying an understanding of ratio and interpreting data displays.	In Unit 8 students will be working mathematically within the following content and explore how the content is explored or developed. At this year level: • **understanding** includes plotting points on the Cartesian plane, and connecting the laws and properties of numbers to algebraic terms and expressions • **fluency** includes calculating accurately with integers, representing fractions and decimals in various ways, finding measures of central tendency • **problem-solving** includes formulating and solving authentic problems using numbers and measurements, and interpreting sets of data collected through chance experiments • **reasoning** includes applying the number laws to calculations, applying an understanding of ratio and interpreting data displays.

Assessment Tasks			
Summative Assessment Task 4: 60 - 70 min Test Term 3 Week 6 (U5 and U6) **Approximately Week 5 Term 3** **Semester Weighting: 30%**	**Summative Assessment Task 5: 60 - 70 min** Test Term 3 Week 6 (U5 and U6) **Approximately Week 9 Term 3** **Semester Weighting: 30%**	**Short Exam (Unit 7 Only) Week 10 Term 3**	**Summative Assessment Task 6:** 5 Lessons in Class Extended Problem Solving Activity. Each Lesson students are to complete the activity in that given lesson. **Approximately Week 4 and 5 Term 4** *No take home components* **are part of the conditions.** **Exam at the End of Week 7 Term 4 (U8)** **Semester Weighting: 40%**