

Kalamunda Senior High School – Year 7 Mathematics Course Outline – 2016

Term 1	
<p><u>Weeks 1 – 3:</u></p> <ul style="list-style-type: none"> • Place Value • Addition and Subtraction • Addition and Subtraction Algorithms • Multiplication • Multiplying Larger Numbers • Division • Estimating Rounding • Order of Operations 	<p><u>Resources:</u> Cambridge Year 7: Ø Chapter 1: Whole Numbers • 1.1 – 1.9</p>
<p><u>Weeks 4 – 5:</u></p> <ul style="list-style-type: none"> • Perimeter • Area by inspection • Area of square / rectangle • Area of triangle in relation to rectangle • Area of triangle • Composite shapes • Area of Parallelogram • All together 	<p><u>Resources:</u> Dwyer Year 7: Ø Chapter 2: Area • 2.1 – 2.7, 2.11, 2.14, 2.15 Cambridge Year 7: Ø Chapter 11: Measurement • 11.3, 11.4, 11.5, 11.6, 11.7</p>
<p><u>Week 5:</u> TEST 1 (Last period of week)</p>	
<p><u>Weeks 6 – 8:</u></p> <ul style="list-style-type: none"> • Fraction format / equivalent fractions • Simplifying Fractions - HCF • Mixed Numbers 	<p><u>Resources:</u> Dwyer Year 7: Ø Chapter 1: Number 1 • 1.1 – 1.7, 1.12, 1.15,</p>

<ul style="list-style-type: none"> • Ordering Fractions • Fraction of a quantity • Fractions and Percentages • Percentage of a quantity • Estimation 	<p style="text-align: right;">1,16</p> <p>Cambridge Year 7:</p> <ul style="list-style-type: none"> Ø Chapter 4: Fractions and Percentages <ul style="list-style-type: none"> • 4.1 – 4.4, 4.9, 4.10
<p><u>Week 9:</u></p> <ul style="list-style-type: none"> • Financial Estimation • GST and Discounts • Rates • Unitary Method 	<p><u>Resources:</u></p> <ul style="list-style-type: none"> Ø Chapter 4: Money <ul style="list-style-type: none"> • 4.1 – 4.5, 4.9, 4.12, 4.13
<p><u>Week 9:</u> MENTAL TEST 1 (Third Period of week) TEST 2 (Fourth period of week)</p>	
<p><u>Week 10:</u> RMF DIAGNOSTIC TEST (First, Second and third periods).</p>	

Term 2

Week 1: EPW TAKE HOME SECTION TO BE GIVEN (One week given to be completed)

Weeks 1 – 2:

- Probability
- Sample Space
- Theoretical probability
- Experimental Probability
- Games of chance

Resources:

Dwyer Year 7:

- Ø Chapter 3: Chance
 - 3.1 – 3.5, 3.9, 3.12, 3.13

Cambridge Year 7:

- Ø Chapter 8: Stats and Prob
 - 8.6, 8.7, 8.8

Week 2: EPW IN CLASS ASSESSMENT TO BE ADMINISTERED (One week from when take home section given)

Week 3: NAPLAN

Week 4 – 5:

- Equivalent Fractions
- Adding fractions with same denominator
- Adding fractions with different denominators
- Subtracting fractions with same denominator
- Subtracting fractions with different denominators
- Multiplying Fractions
- Dividing Fractions

Resources:

Dwyer Year 7:

- Ø Chapter 6: Number 2
 - 6.1 – 6.6, 6.10, 6.13, 6.14

Cambridge Year 7:

- Ø Chapter 4: Fractions and Percentages
 - 4.5 – 4.8

Week 6: MENTAL TEST 2 (First Period of week) TEST 3 (Second period of week) To be discussed based on course progression.

Week 7 – 10:

RMF LEARNING