

**ALSAGOFF ARAB SCHOOL**  
**ACQUIRED KNOWLEDGE DEPARTMENT**  
**PRIMARY 3 MATHEMATICS SCHEME OF WORK 2016**

**Term 1: Monday 4 January to Friday 11 March**

School Holidays/Functions:

Week # 0	New Year's Day	Friday 1 January
Week # 1	First Day of School	Monday 4 January
Week # 3	Maulid Celebrations	Saturday 23 January
Week # 4	Maulid (In-Lieu)	Monday 25 January
Week # 5	Haflah Celebrations	Saturday 6 February
Week # 6	Chinese New Year	Monday 8 February & Tuesday 9 February
Between Term 1 & 2		Saturday 12 March - Sunday 20 March

<b>*Week(s)</b>	<b>Chapter/Topic</b>	<b>Instructional Objectives</b>	<b>Period</b>
1 & 2	<u>Chapter 1:</u> Numbers to 10000	Count, read, write, compare and order numbers to 10 000. Use number discs to count, read and write numbers to 10000. Count by 1s, 10s, 100s and 1000s, to 10 000. Use a place-value chart to read, write and represent numbers to 10 000. Recognise the value of the digits in each place value of a 4-digit number. Use base-ten blocks, number discs and number lines to compare and order numbers. Use place value to compare and order numbers. Look for a pattern to complete a number sequence. <i>Chapter Assessment</i>	18
2, 3 & 4	<u>Chapter 2:</u> Addition Within 10000	Add up to 4-digit numbers, with and without regrouping. Add up to 4-digit numbers without regrouping Add up to 4-digit numbers with regrouping in ones and tens. Add up to 4-digit numbers with regrouping in ones, tens and hundreds. Add 2-digit numbers mentally using different strategies. <i>Chapter Assessment</i>	17
4, 5 & 6	<u>Chapter 3:</u> Subtraction Within 10000	Subtract up to 4-digit numbers, with and without regrouping. Subtract up to 4-digit numbers without regrouping. Subtract up to 4-digit numbers with regrouping in ones, tens and hundreds. Subtract up to 4-digit numbers with regrouping in ones, tens, hundreds and thousands. Subtract 4-digit numbers that have zeros in the hundreds, tens and ones. Subtract 2-digit numbers mentally using different strategies. <i>Chapter Assessment</i>	18
6 & 7	<u>Chapter 4:</u> Word Problems: Addition & Subtraction	Solve one-step and two-step addition and subtraction word problems using models. Use models to solve up to two-step real-world problems involving addition and subtraction. <i>Chapter Assessment</i>	13

<b>*Week(s)</b>	<b>Chapter/Topic</b>	<b>Instructional Objectives</b>	<b>Period</b>
7, 8 & 9	<u>Chapter 5:</u> Multiplication Tables of 6, 7, 8 & 9	<p>Known multiplication facts can be used to find other multiplication and division facts.</p> <p>Skip count by 6s.</p> <p>Use known multiplication facts to find other multiplication facts.</p> <p>Skip count by 7s.</p> <p>Use known multiplication facts to find other multiplication facts.</p> <p>Skip count by 8s.</p> <p>Use known multiplication facts to find other multiplication facts.</p> <p>Skip count by 9s.</p> <p>Use known multiplication facts to find other multiplication facts.</p> <p>Use the Commutative Property of Multiplication to find two related multiplication facts for 6, 7, 8 and 9.</p> <p>Understand the related multiplication and division facts.</p> <p>Write division equations for word problems.</p> <p>Write family facts of multiplication and division.</p> <p>Use models to solve one-step multiplication word problems.</p> <p>Use models to solve one-step division word problems.</p> <p><i>Chapter Assessment</i></p>	20
9	Review: Chapters 1 – 5	Review chapters 1 – 5 to allow pupils to recall and prepare for Continual Assessment 1.	10
10	Continual Assessment 1	Administer pen and paper assessment. Go through answers and ensure that corrections are done.	10

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**Term 2: Monday 21 March to Friday 27 May**

School Holidays/Functions:

Week # 7 Labour Day (In-lieu)

Monday 2 May

Between Semesters 1 & 2

Saturday 28 May to 12 June

<b>*Week(s)</b>	<b>Chapter/Topic</b>	<b>Instructional Objectives</b>	<b>Period</b>
1 & 2	<u>Chapter 6:</u> Multiplication	Numbers up to 3-digits can be multiplied with or without regrouping. Multiply ones, tens and hundreds mentally. Multiply ones, tens and hundreds without regrouping. Multiply ones, tens and hundreds with regrouping in ones, tens, hundreds and thousands. <i>Chapter Assessment</i>	11
3 & 4	<u>Chapter 7:</u> Division	There can be remainders when dividing to make equal groups or when sharing equally. Divide 2-digit numbers by 1-digit numbers with or without remainder using the long division algorithm. Use patterns to divide multiples of 10 and 100. Divide 2- and 3-digit numbers without regrouping and remainder. Divide 2- and 3-digit numbers by 1-digit numbers with regrouping in tens and ones, with or without remainder. Divide 3-digit numbers by 1-digit numbers with regrouping in hundreds, tens and ones, with or without remainder. <i>Chapter Assessment</i>	15
5 & 6	<u>Chapter 8:</u> Word Problems Involving the Four Operations	The four operations can be used to solve two-step word problems. Use models to solve two-step word problems involving the four operations. <i>Chapter Assessment</i>	17
7	MYE: Paper 1, Oral & LC only		
8	Revision	Review chapters 1 – 8 to allow pupils to recall and prepare for Mid-Year Examination.	10
9 & 10	Mid-Year Written Examination		

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**Term 3: Monday 13 June to Friday 25 June, Monday 11 July to Friday 2 September**

School Holidays/Functions:

Last 10 days of Ramadhan		Saturday 25 June to 10 July
Week #	Youth Day (In-lieu)	Monday 4 July
	Hari Raya Puasa	Wednesday 6 July
Week # 6	Family Day (In-lieu)	Monday 1 August
Week # 7	National Day	Tuesday 9 August & Wednesday 10 August
Week # 10	Teachers' Day	Friday 2 September

<b>*Week(s)</b>	<b>Chapter/Topic</b>	<b>Instructional Objectives</b>	<b>Period</b>
1 & 2	<u>Chapter 9:</u> Money	You can add and subtract money the same way you add and subtract whole numbers. Add money in different ways without and with regrouping. Subtract money in different ways without and with regrouping. Solve up to two-step word problems involving addition and subtraction of money. <i>Chapter Assessment</i>	19
3 & 4	<u>Chapter 10:</u> Length, Mass & Volume	Length, mass and volume can be measured using units of measurements. Use metres and centimetres as units of measurements of length. Convert units of measurements between metres and centimetres. Estimate and measure length in metres and centimetres. Use kilometres and metres as units of measurements of length. Convert units of measurements between kilometres and metres. Estimate and measure length in kilometres and metres. Read scales in kilograms and grams. Estimate and find actual masses of objects by using different scales. Convert units of measurements between kilograms and grams. Estimate and find the volume of liquid in litres and millilitres. Find the volume and capacity of a container. Convert units of measurements between litres and millilitres. Draw models to solve up to two-step word problems on measurement. Choose the correct operations to solve two-step problems. <i>Chapter Assessment</i>	16
4 & 5	<u>Chapter 11:</u> Bar Graphs	Bar graphs help to organise data. Bar graphs are used to compare data. Make bar graphs with scales using data in tables and picture graphs. Read and interpret data from bar graphs. Solve problems using bar graphs. <i>Chapter Assessment</i>	9

<b>*Week(s)</b>	<b>Chapter/Topic</b>	<b>Instructional Objectives</b>	<b>Period</b>
5, 6 & 7	<u>Chapter 12:</u> Fractions	<p>Different fractions can be used to describe the same parts of a whole.</p> <p>Use models to identify equivalent fractions with denominators within 12.</p> <p>Use a number line to identify equivalent fractions with denominators within 12.</p> <p>Use multiplication and division to find equivalent fractions with denominators within 12.</p> <p>Write fractions in their simplest form.</p> <p>Compare and order fractions using models and by forming equivalent fractions.</p> <p>Compare and order fractions using benchmark fractions.</p> <p>Show fractions as points or distances on a number line.</p> <p>Add unlike fractions.</p> <p>Subtract unlike fractions.</p> <p><i>Chapter Assessment</i></p>	20
7 & 8	<u>Chapter 13:</u> Time	<p>Time can be used to tell when activities start and end, or how long an activity will last.</p> <p>Tell time to the minute.</p> <p>Use the terms past and to to tell time.</p> <p>Convert hours and minutes to minutes and vice versa.</p> <p>Find duration.</p> <p>Solve up to two-step word problems on time.</p> <p><i>Chapter Assessment</i></p>	13
9	Review: Chapters 9 – 13	Review chapters 9 – 13 to allow pupils to recall and prepare for Continual Assessment 2.	
10	Continual Assessment 2	Administer pen and paper assessment. Go through answers and ensure that corrections are done.	

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**Term 4: Monday 12 September to Friday 18 November**

School Holidays/Functions:

Week # 1    Hari Raya Haji                      Monday 12 September & Tuesday 13 September  
 Week # 4    Children's Day                                  Friday 7 October

<b>*Week(s)</b>	<b>Chapter/Topic</b>	<b>Instructional Objectives</b>	<b>Period</b>
1	<u>Chapter 14:</u> Angles	Angles can be found all around us. These can be described with special names. Find angles in plane shapes and real-world objects. Compare the number of sides and the number of angles of plane shapes. Make a right angle. Compare angles to a right angle. Identify right, acute and obtuse angles in plane shapes and real-world objects. <i>Chapter Assessment</i>	10
2 & 3	<u>Chapter 15:</u> Perpendicular & Parallel Lines	Lines can go up and down, from side to side, and in every direction. Define and identify perpendicular lines. Draw perpendicular lines. Define and identify parallel lines. Draw parallel lines. Identify horizontal and vertical lines. <i>Chapter Assessment</i>	16
4 & 5	<u>Chapter 16:</u> Area & Perimeter	Explore and understand units used to find the perimeters and areas of figures and analyse the relationship between them. Understand the meaning of area. Use square units to find areas of plane figures made of squares and half-squares. Compare the areas of plane figures and make plane figures of the same area. Use square centimetres and square metres to find and compare the areas of figures. Estimate the areas of small and large surfaces. Understand the meaning of perimeter. Find the perimeters of figures formed using small squares. Compare the areas and perimeters of two figures. Find the perimeter of a figure by adding its sides. Choose the appropriate tools and units of length to measure perimeter. Measure the perimeters of surfaces of objects and places. Find the area of a rectangle by counting grid squares. Find the area of a rectangle using a formula. <i>Chapter Assessment</i>	20

<b>*Week(s)</b>	<b>Chapter/Topic</b>	<b>Instructional Objectives</b>	<b>Period</b>
6	Review	Review chapters to allow pupils to recall and prepare for the End-of-Year Assessment.	10
7 & 8	End-of-Year Assessment	Administer pen and paper assessment.	
9 & 10	Post-Examination Activities		