Admiralty Primary School 2023 Primary 3 Mathematics Lesson Focus

Semester 1

Key Concepts	Learning Objectives	Math Vocabulary
Counting relates to finding how many Manipulatives with tens as the base are used to model numbers The relative value of a number can be known through comparing it with other	 Recognise number notation and the respective value and place value of each digit Relate how big numbers are used in real life Compare and order numbers within 10 000 Identify patterns in number sequences 	DigitPlace value
Addition and Subtraction Number Key Concepts	rs Within 10 000 – Pupils will learn to add and	I subtract numbers within 10 000. Math Vocabulary
Parts are added to make up a whole A whole is the sum of different parts Comparing numbers results in one number being more or less than the other number by a certain value	 Add up and subtract up to 4-digit numbers with and without regrouping Draw part-whole or comparison models to illustrate concept of addition and subtraction when solving word problems Add and subtract 2-digit numbers mentally 	 Addition (with and without regrouping) Subtraction (with and without regrouping) Part-whole model Comparison model

Key Concepts	Learning Objectives	Math Vocabulary
 Money is used as a measure of value or worth Money is used exchange for something that is worth the monetary amount 	 Add and subtract money in whole numbers and in decimal notation Real-life math application of addition and subtraction in money 	Dollars, cents
Multiplication Tables of 6, 7, 8 and ables of 6, 7, 8 and 9.	d 9 – Pupils will learn how to skip-count, mul	tiply and divide numbers within the multiplica
Key Concepts	Learning Objectives	Math Vocabulary
 Multiplication is conceptualised from repeated addition of equalsized groups of objects Division is conceptualised as equal sharing or equal-sized grouping of objects 	 Relate multiplication concept as equal-sized groups of 6, 7, 8 and 9 Relate division concept as equal-sized groups of 6, 7, 8 and 9 objects Compute the multiplication and division facts of 6, 7, 8 and 9 mentally 	 Multiplication (with and without regrouping) Division (with and without regrouping)
Multiplication and Division – Pup	ils will learn how to multiply and divide.	
Key Concepts	Learning Objectives	Math Vocabulary
 Multiplication is conceptualised as an equal-sized grouping of objects multiplied a number of times Division is conceptualised as equal sharing or equal-sized 	 Multiply a 2-digit or 3-digit number by a 1-digit number with and without regrouping Divide a 2-digit or 3-digit number by a 1-digit number without or with regrouping (with or without a remainder) 	 Multiplication (with and without regrouping) Division (with and without regrouping)

More Problem Sums I and II	More Problem Sums I and II	
Key Concepts	Learning Objectives	Math Vocabulary
 Application of 4-operations like addition, subtraction, multiplication, and division in problem sums. 	 Understanding the different types of model drawing (part-whole model and comparison model) Applying the problem-solving strategies and heuristics strategies like guess and check, recognizing patterns and working backwards 	Part-wholeComparisonDifferenceTotal
	organize information using bar graphs and in	
Key Concepts	Learning Objectives	Math Vocabulary
 Data can be organized and presented for interpretation using bar graphs 	Read and interpret data from bar graphs	DataVertical and horizontal bar graphsScale
Angles – Pupils will learn the con	cept of angles and how to compare angles.	
Key Concepts	Learning Objectives	Math Vocabulary
An angle is the measure of the amount of turning made between two straight lines about a point	 Identify if an angle is a right angle, an acute angle, or an obtuse angle Identify angles greater than or smaller than a right angle 	Right angleAcute angleObtuse angle

Key Concepts	Learning Objectives	es and how to construct those lines. Math Vocabulary
Perpendicular lines are lines that are at right angles to each other Parallel lines do not meet and the distance between them is always the same	 Identify and draw perpendicular lines and parallel lines Name a pair of perpendicular lines and parallel lines using the symbol "⊥" and "//" respectively 	Perpendicular line Parallel line
Key Concepts	Learning Objectives	Math Vocabulary
A fraction is seen as the relationship between one or more	 Divide a given fraction into smaller equal parts to get an equivalent fraction Find equivalent fractions through multiplying 	 Fractions (like fractions, unlike fractions, equivalent fractions) Numerator and denominator Part-whole

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Semester 2

Length, Mass and Volume – Pupil and volume (of liquid).	Mass and Volume – Pupils will learn how to develop a sense of measurement with respect to attributes of length, mass ume (of liquid).	
Key Concepts	Learning Objectives	Math Vocabulary
 Assign a numerical value to an attribute (length, mass or volume) of an object to show the size or amount of the object Standard units are used as measurement of the attributes of an object 	 Estimate and measure length in centimetres, metres and kilometres Estimate and measure mass in grams and kilograms Measure volume of liquid in millilitres and litres Convert between units of measurement for length, mass and volume 	 Length (centimetres, metres and kilometres) Mass (grams, kilograms) Volume and capacity (millilitres, litres)
<u> </u>	earn how to define perimeter and area, and he	
Key Concepts	Learning Objectives	Math Vocabulary
 Perimeter is the distance around a closed figure Area is the amount of space taken up by the closed figure 	 Find the perimeter and area of a closed figure Measure area in square units (units²), square centimetres (cm²) and square metres (m²) Compare the perimeters and areas of different figures 	 Area Perimeter Square units (units²), square centimetres (cm²) and square metres (m²)

Key Concepts	Learning Objectives	Math Vocabulary
e is a form of measurement	 Measure time in seconds Read and write time in the 12-hour and 24-hour clock Find the starting time, finishing time or duration involving the 24-hour clock 	 Time Seconds 12-hour clock, 24-hour clock Starting time, finishing time Duration