

The Asian International School – Curriculum Mapping

Level: Movers 2

Subject: Maths

Text book: Macmillan Mathematics 4A, 4B

Revised: July 2015

Note: “Try this” and “Assessment” parts are optional.

Students must develop all the skills in standard 1, 2, 3, and 4 during the school year in order to become proficient in mathematics.

Month	Weeks	Core Standard	Strand	Content	Skills	Activities	Assessments	
Aug	1	03/8 – 07/8	5.1	Numbers and Number sense	- Digit - Units - Tens - Hundreds - Thousands - Millions	- Read and write numbers to ten million	- Abacus - Arrow cards - Games - Board practice	Unit 1: 4, 6, 5, 7, 8, 9
	2	10/8 – 14/8	5.1	Numbers and Number sense	- Comparing - Ordering - Smallest - Largest - Rounding - Approximation	- Compare and order whole numbers through 1 million - Identify and interpret the place value for each digit though 1 million	- Abacus - Arrow cards - Games - Board practice	Unit 1: 10, 11, 12, 13
	3	17/8 – 21/8	5.1	Numbers and Number sense	- Counting - Backwards, forwards - Sequence	- Compare and order numbers using the words equal to, greater than, less than, greatest, least and the symbols <,=,>	- Arrow cards - Games - Board practice	Unit 2: 14, 15, 16, 17, 18
	4	24/8 – 28/8	5.1	Numbers and Number sense	- Pattern - Odd, even - Possibilities - Function - Stages	- Compare and order numbers using the words equal to, greater than, less than, greatest, least and the symbols <,=,>	- Arrow cards - Games - Board practice	Unit 2: 20, 21, 22, 23
Sep	5	31/8 – 04/9	5.2	Operations on Numbers	- Mental - Rounding - Doubles - Inverses - Difference - Subtract	- Use mental strategies to add and subtract natural numbers - Judge the reasonableness of the approximated value of a given number	- Arrow cards - Games - Board practice	Unit 5: 40, 41, 42, 43
	6	07/9 – 11/9	5.2	Operations on Numbers	- Revision - Estimate - Approximately	- Judge the feasibility of the results of operations and check the outcome.	- Arrow cards - Games - Board practice	Unit 5: 44, 45, 46, 47, 48

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					- Total - Sum - Greater than - Less than			
	7	14/9 – 18/9	5.2	Operations on Numbers	- Calculations - Even number - Add number	- Add natural numbers for sums up to 9 digits.	- Arrow cards - Games - Board practice	Unit 6: 50, 51, 52, 53, 54, 55
	8	21/9 – 25/9 Review	5.2	Operations on Numbers	- Subtract... from - Take away - Estimate	- Subtract natural numbers for minuends up to 9 digits.	- Arrow cards - Games - Board practice	Unit 6: 56, 57, 58, 59
	9	28/9 – 02/10 Midterm Test						
	10	05/10 – 09/10	5.1	Numbers and Number sense	- Converting - Dollar (\$) - Cents (¢) - Coins - Cost - Change	- Solve money problems using addition and subtraction.	- Shopping activities - Games - Board practice	Unit 7: 60, 61, 62, 63
	11	12/10 – 16/10	5.1	Numbers and Number sense		- Solve money problems using addition and subtraction.	- Shopping activities - Games - Board practice	Unit 7: 64, 65, 66, 68, 69
Oct	12	19/10 – 23/10	8.2	Transformation of shapes	- Line - Straight/ Curved - Horizontal/ Vertical - Parallel - Perpendicular - Right angle - Acute - Obtuse	- Identify line and classify angles, including straight, right, obtuse and acute.	- Square corner, protractor - Games - Board practice	Unit 9: 76, 77, 78, 79
	13	26/10 – 30/10	8.2	Transformation of shapes	- Protractor - Anti-Clockwise - Compass	- Draw angles using protractors	- Identify line and classify angles, including straight, right, obtuse and acute.	Unit 9: 80, 81, 82, 83, 84
Nov	14	02/11 – 06/11	8.2	Transformation of	- Cube, Cuboid	- Represent the three –	- Flashcards	Unit 10: 86, 87,

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				shapes	- Cylinder - Triangular prism - Sphere - Square-based pyramid - Cone-tetrahedron	dimensional shapes.	- Sets of 2D and 3D shapes - Games - Board practice	88, 89
	15	09/11 – 13/11	8.2	Transformation of shapes	- Polygons - Rhombus - Parallelogram - Trapezium - Kite	- Represent the two-dimensional shapes.	- Flashcards - Sets of 2D and 3D shapes - Games - Board practice	Unit 10: 90, 91, 92, 93
	16	16/11 – 20/11	8.2	Transformation of shapes	- Symmetrical - Reflections	- Identify shapes that are congruent similar and symmetrical.	- Paper, scissors - Flashcards - Games - Board practice	Unit 11: 96, 97, 98, 99
	17	23/11 – 27/11 Review						Unit 4 & Unit 8 & Unit 12
	18	30/11 – 04/12 Final Term Test	8.2	Transformation of shapes	- Equilateral - Right angled - Isosceles - Scalene - Congruent	- Identify, classify and draw triangle based on their properties.	- Paper and scissors - Flashcards - Games - Board practice	Unit 11: 100, 101, 102
	19	07/12 – 11/12 School Report						
	20	14/12 – 18/12 Test correction						
Dec	21	21/12 – 25/12	5.2	Operations on Numbers	- Multiply - Single digit	- Represent multiplication of up to four-digit by one digit numbers.	- Calculators - Games - Board practice	Unit 13: 4, 5, 6, 7
	22	28/12 – 01/1	5.2	Operations on Numbers		- Multiply a whole number by a 2 digit number.	- Calculators - Games - Board practice	Unit 13: 8, 9, 10, 11
Jan	23	04/1 – 08/1	5.2	Operations on Numbers	- Divisibility - Remainder	- Divide a whole number by a 1-digit division without remainders.	- Cubes - Games - Board practice	Unit 14: 14, 15, 16, 17
	24	11/1 – 15/1	5.2	Operations on		- Divide a whole number	- Cubes	Unit 14: 18, 19,

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				Numbers		by a 1-digit division with remainders.	- Games - Board practice	20, 21
	25	18/1 – 22/1	5.2	Operations on Numbers	- Inverse relationship	- Apply the inverse relationship between multiplication and division, addition and subtraction.	- Arrow cards - Games - Board practice	Unit 15: 24, 25, 26, 27
	26	25/1 – 29/1	7.2	Algebraic Representations	- Equation - Missing number - Bracket	- Explain and solve open sentences.	- Arrow cards - Games - Board practice	Unit 15: 28, 29, 30, 31
	OFF	01/2 – 05/2						
	OFF	08/2 – 12/2						
Feb	27	15/2 – 19/2	5.1	Numbers and Number sense	- Proper fraction - Improper fraction - Numerator - Denominator - Mixed number	- Identify proper and improper fractions, mixed numbers.	- Arrow cards - Games - Board practice	Unit 17: 40, 41, 42, 43
	28	22/2 – 26/2	5.1	Numbers and Number sense	- Equivalent - Simplify	- Identify simple equivalent fractions. - Simplify fractions.	- Arrow cards - Games - Board practice	Unit 17: 44, 45, 46, 47, 48
	29	29/2 – 04/3 Review	5.1	Numbers and Number sense	- Common denominator	- Arrange, compare and order a set of fractions and mixed numbers.	- Arrow cards - Games - Board practice	Unit 18: 50, 51, 52, 53, 54
	30	07/3 – 11/3 Midterm Test						
Mar	31	14/3 – 18/3	5.2	Operations on Numbers	- Unlike fraction	- Model addition and subtraction of unlike fractions.	- Arrow cards - Games - Board practice	Unit 18: 56, 57, 58, 59
	32	21/3 – 25/3	5.1	Numbers and Number sense	- Tenths, hundredths - Decimal - Break up	- Determine the equivalency among decimals and fractions.	- Arrow cards - Games - Board practice	Unit 19: 60, 61, 62, 63, 64, 65
	33	28/3 – 01/4	5.2	Operations on Numbers		- Multiply and divide decimals by ten and hundred.	- Arrow cards - Games - Board practice	Unit 19: 66, 67, 68, 69
Apr	34	04/4 – 08/4	6.1	Physical Attributes	- Centimetres - Metres - Kilometres/Distance	- Estimate and convert unit of measure for length.	- Rulers - Metre sticks - Games	Unit 21: 76, 77, 80, 81

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					- Length/ Height - Width		- Board practice	
	35	11/4 – 15/4	6.1	Physical Attributes	- A.M/ P.M - Capacity - Weight - Mass - Grams, kilograms - Litres - Millilitres	- Estimate and convert unit of weight and capacity. - Use A.M and P.M in describing time.	- Rulers - Metre sticks - Games - Board practice	Unit 21: 82, 83, 84, 85
	36	18/4 – 22/4	5.2 & 6.2	Operations on Numbers System of Measurement		- Solve measure problems using addition and subtraction. - Estimate and measure area and perimeter of rectangle.	- Arrow cards - Games - Board practice	Unit 22: 86, 88, 89
	37	25/4 – 29/4 Review						Unit 16 & Unit 20 & Unit 24
May	38	02/5 – 06/5 Final Term Test	5.2 & 6.2	Operations on Numbers System of Measurement	- Construct - Frequency graphs - Data - Probability	- Constructing and interpreting bar graphs and frequency graphs.	- Flashcards - Games - Board practice	Unit 23: 96, 97, 98, 99
	39	09/5 – 13/5 School Report						
	40	16/5 – 20/5 Test Correction						
	41	23/5 – 27/5	9.2	Data Analysis	- Construct - Frequency graphs - Data - Probability - Impossible - Poor chance - Evens - Good chance - Certain	- Compare data and interpret quantities represented on tables and graphs. - Use mathematical situations to determine the probability.	- Flashcards - Games - Board practice	Unit 23: 98, 99, 102, 103
	42	30/5 – 31/5						