

The Asian International School – Curriculum Mapping

Level: Flyers Subject: Maths Text book: Macmillan Mathematics 5A, 5B

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	- Tenths - Hundredths - Decimal - Thousandths	- Recognize decimals to the tenths, hundredths and thousandths.	- Squared paper - Flashcards - Games - Board practice	Unit 1: 4, 5, 6, 7
	2	10/8 – 14/8	5.1	Numbers and number sense	- Rounding - Nearest - Round up/ down	- Round, order and compare decimals	- Squared paper - Flashcards - Games - Board practice	Unit 1: 8, 9, 10, 12, 13
	3	17/8 – 21/8	7.1 & 5.1	Patterns, Relations and Functions Numbers and number sense	- Sequence - Positive number - Negative number	- Describe real world situations using negative numbers	- Flashcards - Games - Board practice	Unit 2: 14, 15, 16, 17
	4	24/8 – 28/8	7.2	Algebraic Models	- Formulae - Equation	- Devise a rule for an input/output function table. - Find the missing number in open sentences	- Flashcards - Games - Board practice	Unit 2: 18, 20, 21, 22, 23
Sep	5	31/8 – 04/9	5.2	Operations on Numbers		- Understand and apply the rules of divisibility. - Identify multiples	- Flashcards - Games - Board practice	Unit 3: 24, 25, 26, 27
	6	07/9 – 11/9	5.2	Operations on Numbers		- Model and distinguish between factor and multiple and prime numbers	- Flashcards - Games - Board practice	Unit 3: 28, 30, 32, 33
	7	14/9 – 18/9	7.2	Algebraic Models	- Inverse operation - Calculation - Reverse - Brackets	- Solve equations with whole numbers using inverse operations and mental math. - Understanding and solving problems involving the use of brackets	- Flashcards - Games - Board practice	Unit 5: 40, 41, 42, 43
	8	21/9 – 25/9	5.3	Numerical Operations and	- Round up/ down - Approximate	- Use mental math methods to estimate approximate the	- Flashcards - Games	Unit 5: 44, 45, 46 (1 + 2), 48

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			5.2	Estimation Operations on Numbers	- Overestimate - Underestimate	results of computations. - Add and subtract with and without remainders using non negative rational numbers	- Board practice	
Oct	9	28/9 – 02/10 Midterm Test						
	10	05/10 – 09/10	5.2	Operations on Numbers	- Decimal/ point - Tenths - Hundredths - Vertical method - Digit	- Add decimals to tenths and hundreds based on place value.	- Flashcards - Games - Board practice	Unit 6: 50, 51, 52, 53
	11	12/10 – 16/10	5.2	Operations on Numbers		- Subtract decimals to tenths and hundredths based on place value.	- Flashcards - Games - Board practice	Unit 6: 54, 55, 56, 57, 58
	12	19/10 – 23/10	5.2	Operations on Numbers	- Multiply	- Multiply tenths by 1 digit numbers	- Flashcards - Games - Board practice	Unit 7: 60, 61, 62, 63
	13	26/10 – 30/10	5.2	Operations on Numbers		- Multiply tenths by 2 digit numbers	- Flashcards - Games - Board practice	Unit 7: 64, 65, 66, 67, 68
Nov	14	02/11 – 06/11	8.2	Transformation of shapes	- Line - Segment - Ray - Parallel - Perpendicular - Intersecting line	- Identify, draw, label and describe parallel and perpendicular lines.	- Flashcards - Protractors - Games - Board practice	Unit 9: 76, 77, 78, 79
	15	09/11 – 13/11	8.2	Transformation of shapes	- Right angle - Acute angle - Obtuse angle - Protractor - Clock wise - Anti-clock wise	- Identify and measure angles using protractor	- Flashcards - Protractors - Games - Board practice	Unit 9: 80, 81, 82, 83
	16	16/11 – 20/11	8.1	Geometric Properties		- Identify and describe properties of 2D and 3D shapes	- Collection of pyramids and prisms - Protractors	Unit 10: 86, 88, 90, 92, 94

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							<ul style="list-style-type: none"> - Compasses - Games - Board practice 	
	17	23/11 – 27/11 Review						Unit 4 & Unit 8 & Unit 12
Dec	18	30/11 – 04/12 Final Term Test	8.2	Transformation of shapes		<ul style="list-style-type: none"> - Predict the results of multiple transformations on a geometric shape when combinations of translation reflection and rotation are used. - Describe and determine the characteristics of circles 	<ul style="list-style-type: none"> - Flashcards - Paper - Games - Board practice 	Unit 11: 98, 99, 102, 103
	19	07/12 – 11/12 Test Correction						
	20	14/12 – 18/12 School Report						
	21	21/12 – 25/12	5.1	Numbers and number sense	<ul style="list-style-type: none"> - Denominator - Numerator - Proper fraction - Improper fraction - Mixed number - Equivalent fractions 	<ul style="list-style-type: none"> - Read and write fractions and mixed numbers. - Identify equivalent fractions. 	<ul style="list-style-type: none"> - Flashcards - Games - Board practice 	Unit 13: 4, 5, 6, 7
	22	28/12 – 01/1	5.2	Operations on Numbers	<ul style="list-style-type: none"> - Common denominator - Lowest common multiple - Simplify 	<ul style="list-style-type: none"> - Read, write, compare and order fraction. - Model addition and subtraction of mixed numbers and fraction with like and unlike denominators. 	<ul style="list-style-type: none"> - Flashcards - Games - Board practice 	Unit 13: 8, 9, 10, 11
Jan	23	04/1 – 08/1	5.2	Operations on Numbers	<ul style="list-style-type: none"> - Dividend - Divisor - Quotient - Remainder 	<ul style="list-style-type: none"> - Use various methods to find quotients for multi-digit division. 	<ul style="list-style-type: none"> - Flashcards - Games - Board practice 	Unit 14: 14, 15, 16, 17
	24	11/1 – 15/1	5.2	Operations on Numbers		<ul style="list-style-type: none"> - Divide a 3- or 4- digit number by a 1- or 2- digit 	<ul style="list-style-type: none"> - Flashcards - Games 	Unit 14: 18, 20, 21, 22

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						number, using different strategies.	- Board practice	
	25	18/1 – 22/1	5.2	Operations on Numbers		- Divide decimals by multiples of tens.	- Flashcards - Games - Board practice	Unit 15: 24, 25, 26, 27
	26	25/1 – 29/1	5.2	Operations on Numbers		- Divide decimals by whole numbers with remainders. - Expressing quotients as mixed numbers.	- Flashcards - Games - Board practice	Unit 15: 28, 29, 30, 32
	OFF	01/2 – 05/2						
	OFF	08/2 – 12/2						
Feb	27	15/2 – 19/2	6.2	Systems of Measurement	- Distance - Height	- Select and apply appropriate units for measuring length, height and distance.	- Rulers marked in cm and mm - Metre rules - Games - Board practice	Unit 17: 40, 41, 42, 44
	28	22/2 – 26/2	6.2	Systems of Measurement	- Perimeter - Compound shape - Scales	- Measure perimeter and weight to the required level of accuracy in the metric systems.	- Rulers marked in cm and mm - Metre rules - Games - Board practice	Unit 17: 45, 46, 48, 49
Mar	29	29/2 – 04/3	6.2	Systems of Measurement	- Area	- Solve mathematical problems that involve measuring area and calculate the area of a right-angled triangle.	- Flashcards - Games - Board practice	Unit 18: 50, 51, 52, 53
	30	07/3 – 11/3 (Midterm Test)						
	31	14/3 – 18/3	6.2	Systems of Measurement	- Dimensions - Volume - Capacity - Surface - Cuboid	- Solve mathematical problems that involve measuring volume and capacity.	- Flashcards - Games - Board practice	Unit 18: 54, 56, 57, 58 (except P.1), 59
	32	21/3 – 25/3	6.2	Systems of Measurement	- Leap year - Fort night - Analogue clock	- Determine equivalent periods of time and solve time problems.	- An analogue wall clock - A wall thermometer	Unit 19: 60, 61, 62, 63, 64

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					- Digital clock		- Games	
	33	28/3 – 01/4	6.2	Systems of Measurement	- Speed - Temperature - Thermometer - Degree Celsius	- Select and apply appropriate units for measuring temperature.	- An analogue wall clock - A wall thermometer - Games	Unit 19: 65, 66, 67, 68, 69
Apr	34	04/4 – 08/4	5.1	Numbers and number sense	- Percentage - Percent	- Determine the equivalency between and among fractions, decimals and percentages in contextual situation.	- Flashcards - Games - Board practice	Unit 21: 76, 77, 78, 79
	35	11/4 – 15/4	5.1	Numbers and number sense	- Convert	- Determine the equivalency between and among fractions, decimals and percentages in contextual situation.	- Flashcards - Games - Board practice	Unit 21: 80, 81, 82, 83, 84
	36	18/4 – 22/4	5.1	Numbers and number sense	- Quantities - Ratio - Proportion	- Represent ratios and proportion. - Finding unitary and non-unitary fractions of quantities.	- Flashcards - Games - Board practice	Unit 22: 86, 87, 88, 89, 90
	37	25/4 – 29/4 Review						
May	38	02/5 – 06/5 Final Term Test	5.2	Operations on Numbers		- Multiplying and dividing fractions	- Flashcards - Games - Board practice	Unit 22: 92, 93, 94, 95
	39	09/5 – 13/5 School Report						
	40	16/5 – 20/5 Test Correction						
	41	23/5 – 27/5	9.2 9.0	Data analysis Data analysis and probability	- Mean - Mode - Median - Probability - Average - Chance	- Collect and analyze data using mean, mode and median. - Recognize and use the concepts of probability to solve problems.	- Flashcards - Games - Board practice	Unit 23: 102, 103, 104, 105
	42	30/5 – 31/5						