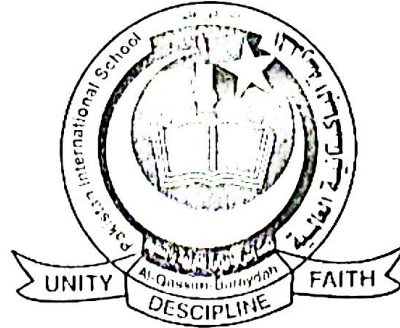


PAKISTAN INTERNATIONAL SCHOOL BURAIDAH,
AL-QASSIM. SAUDI ARABIA.



MATH
SYLLABUS
CLASS VI

PAKISTAN INTERNATIONAL SCHOOL, BURAIDAH
SYLLABUS BREAKUP

Class: 6th Subject: Mathematics

Number of Teaching Weeks in First Term: (1 - 14)

Number of Teaching Weeks in Second Term: (15 - 28)

Name of Text Book: A Textbook of Cambridge Scholar Series 2022

Week No.	Chapter No.	Day	Topic	Book Page Numbers
1	Unit- 1 Factors and Multiples	Day 1	Factors and Multiples	2
		Day 2	Exercise 1(a)	5
		Day 3	Factorization	6
		Day 4	Exercise 1(b)	7
2		Day 1	Highest Common Factor (HCF)	8
		Day 2	Exercise 1(c)	10
		Day 3	Least Common Multiple(LCM)	11
		Day 4	Exercise 1(d)	13
3		Day 1	Application of HCF and LCM	13
		Day 2	Exercise 1(e)	14
		Day 3	Recognition and Calculate Square of upto 2-digit Numbers	15
		Day 4	Exercise 1(f)	16
4	Unit-2 Integers	Day 1	Review Exercise -1	16
		Day 2	Integers	19
		Day 3	Absolute or Numerical Value of an Integer	21
		Day 4	Comparing and Order of Integers	22
5		Day 1	Exercise 2(a)	24
		Day 2	Real Life application of Integers	25
		Day 3	Exercise 2(b)	25
		Day 4	Review Exercise -2	26

Week No.	Chapter No.	Day	Topic	Book Page Numbers
6	Unit-3 Laws of Integers	Day 1	Addition of Integers	29
		Day 2	Exercise 3 (a)	31
		Day 3	Subtraction of Integers	32
		Day 4	Exercise 3 (b)	33
7		Day 1	Multiplication of Integers	33
		Day 2	Exercise 3 (c)	34
		Day 3	Division of Integers	35
		Day 4	Exercise 3 (d)	36
8		Day 1	Law of Integers	37
		Day 2	Exercise 3 (e)	38
		Day 3	BODMASS Rule	39
		Day 4	Exercise 3 (f)	40
9		Day 1	Mathematical Expression Involving Fractions	40
		Day 2	Exercise 3 (g)	41
		Day 3	Mathematical Expression Involving Decimals	41
		Day 4	Exercise 3 (h)	41
10		Day 1	Real Life Problems Involving Fractions and Decimals	42
		Day 2	Exercise 3 (i)	42
		Day 3	Review Exercise-3	43
		Day 4	Review Exercise-3	44
11	Unit-4 Rate, Ratio and Percentages	Day 1	Rate (Exercise 4a)	50
		Day 2	Ratio (Exercise 4b)	53
		Day 3	Percentages (4c)	55
		Day 4	Conversion of Percentage into Decimal Conversion of a Decimal into Percentage	56

Week No.	Chapter No.	Day	Topic	Book Page Numbers
12		Day 1	Exercise 4(d)	56
		Day 2	Comparison of two Quantities by Percentage	57
		Day 3	Exercise 4(e)	58
		Day 4	Convert 12-hour clock time to 24-hours clock time (calculating journey time)	58
13		Day 1	Exercise 4 (f)	59
		Day 2	Real-life application of percentage (Exercise 4g	60
		Day 3	Review Exercise-4	61
		Day 4	Sets (Exercise 5a)	63
14	Unit-5 sets	Day 1	Subset (Exercise 5b)	70
		Day 2	Venn Diagram (Exercise 5c)	72
		Day 3	Review Exercise-5	72,73
		Day 4	Recognition of Simple Pattern from Various Number Sequences (Exercise 6a)	76
15	Unit-6 Algebraic Expression	Day 1	Algebra as an extension of Arithmetic (Exercise 6b)	79
		Day 2	Algebraic Sentences (Exercise 6c)	81
		Day 3	Addition and Subtraction of Like and Unlike Terms (Exercise 6d)	83
		Day 4	Evaluation and Simplification of Algebraic Expressions with Values of the involved Variables	85
16	Unit-7 Linear Expression and Equations	Day 1	Review Exercise-6	86
		Day 2	Recognition of algebraic equations. Algebraic equations and algebraic expression in one	89
		Day 3	Exercise 7(a)	90
		Day 4	Linear Equations	90
17		Day 1	Real life application of Linear Equations	93
		Day 2	Exercise 7 (c)	94
		Day 3	Review Exercise-7	94
		Day 4	Perimeter and Area	101

Week No.	Chapter No.	Day	Topic	Book Page Numbers
18	Unit-8 Surface Area and Volume	Day 1	Exercise 8 (a)	103
		Day 2	Area of Path (Inside or Outside) of a Rectangle and a Square	104
		Day 3	Exercise 8 (b)	106
		Day 4	Area of Triangle	106
19		Day 1	Area of parallelogram	107
		Day 2	Exercise 8 (c)	108
		Day 3	Area of Trapezium	109
		Day 4	Exercise 8 (d)	110
20		Day 1	3-Dimensiol Shapes	111
		Day 2	Volume and Surface Area	111
		Day 3	Real life Word Problems Involving Volume and Surface Area	113
		Day 4	Recognize Surface area and Volume of cube and cubiod	113
21		Day 1	Exercise 8 (e)	114
		Day 2	Identify real life application of volume and surface area	115
		Day 3	Review Exercise -8	115
		Day 4	Review Exercise -8	116
22	Unit-9 Symmetry	Day 1	2-D and 3-D Shapes	119
		Day 2	Exercise 9 (a)	121
		Day 3	Identify 3- dimensiol shapes such as cube,cubiod ,cone ,hemisphere ,cylinder and sphere.	121
		Day 4	Recognition of parallel and non-parallel lines	122
23		Day 1	Exercise 9 (b)	123
		Day 2	Angles of parallel Lines	124
		Day 3	Exercise 9 (c)	125
		Day 4	Symmetry	126

Week No.	Chapter No.	Day	Topic	Book Page Numbers
24		Day 1	Point of rotation and order of rotationa; symmetry	129
		Day 2	Exercise 9 (d)	130
		Day 3	Recognize reflective symmetry and rotational symmetry	131
		Day 4	Review Exercise -9	131
25	Unit-10 Geometrical Constructio n	Day 1	Line,Ray and Line Segment	135
		Day 2	Angles	137
		Day 3	Recognize the construction of angles of 30,45,120,90,75 and 105 degree using compass	140
		Day 4	Review Exercise-10	140
26	Unit-11 Data Managemen t	Day 1	Data	143
		Day 2	Exercise 11 (a)	145
		Day 3	Different Types of Graph	145
		Day 4	Exercise 11 (b)	148
27		Day 1	Mean ,Median and Mode	149
		Day 2	Exercise 11 (c)	151
		Day 3	Review Exercise-11	152
		Day 4	Probability Experiment	155
28	Unit-12 Probability	Day 1	Sample space..Events and equally likely Events	156
		Day 2	Probability of Single Events	156
		Day 3	Exercise 12 (a)	157
		Day 4	Review Exercise-12	158