



Pakistan Urdu School- Kingdom of Bahrain
Curriculum Implementation Plan for MATHEMATICS -Grade X Arts

1st Term

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency/Standards/Themes)	Total Periods
Unit 1 : Algebraic Formula & Applications					
1	April	23-4-2018	Algebraic Expressions	Algebra (S2) <ul style="list-style-type: none"> Analyze the patterns and interpret mathematical situations by manipulating algebraic expressions and relations 	14
2			Algebraic Formula		
3			Surds and their applications		
4			Rationalization	Algebra <ul style="list-style-type: none"> Model and solve contextualized problems 	
Unit 2 : Factorization					
5	May	10-5-2018	Factorization	Algebra <ul style="list-style-type: none"> Analyze the patterns and interpret mathematical situations by manipulating algebraic expressions and relations 	14
6			Remainder Theorem & Factor Theorem	Algebra <ul style="list-style-type: none"> Model and solve contextualized problems 	
7			Factorization of Cubic Polynomial	Algebra <ul style="list-style-type: none"> Analyze the patterns and interpret mathematical situations by manipulating algebraic expressions and relations 	

2nd Term

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency/Standards/Themes)	Total Periods
Unit 3 : Algebraic Manipulation					
8	Sep	19-9-2018	H.C.F & L.C.M.	Algebra <ul style="list-style-type: none"> Model and solve contextualized problems 	12
9			Basic Operations on Algebraic Fractions		
10			Square roots of Algebraic Fractions		
Unit 4 : Linear Inequalities					
11	Oct	07-10-2018	Linear Equations	Algebra <ul style="list-style-type: none"> Analyze the patterns and interpret mathematical situations by manipulating algebraic expressions and relations 	4
12			Equations involving Absolute value	Algebra <ul style="list-style-type: none"> Model and solve contextualized problems 	
13			Linear Inequalities	Algebra <ul style="list-style-type: none"> Analyze the patterns and interpret mathematical situations by manipulating algebraic expressions and relations 	
14			Solving Linear Inequalities	Algebra <ul style="list-style-type: none"> Model and solve contextualized problems 	

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Unit 5 : Quadratic Equations					
15	Oct	11-10-2018	Quadratic Equations	Algebra <ul style="list-style-type: none"> Model and solve contextualized problems 	7
16			Solution of Quadratic Equations		
17			Quadratic Formula		
Unit 6 : Matrices					
18	Oct	22-10-2018	Introduction to Matrices	Numbers & Operations ((S1) <ul style="list-style-type: none"> Identify the matrices 	11
19			Types of Matrices	Numbers & Operations <ul style="list-style-type: none"> Representing the required matrices 	
20			Calculations of Matrices	Numbers & Operations <ul style="list-style-type: none"> Apply operations on matrices 	
21			Solutions of simultaneous linear equations	Numbers & Operations <ul style="list-style-type: none"> Manipulate the different types of sequences and apply operations on matrices 	
Unit 9 : Areas & Volume					
22	Nov	06-11-2018	Pythagoras' Theorem	Measurements & Geometry (S3) <ul style="list-style-type: none"> Analyze characteristics & properties of geometric shapes & develop arguments about their geometric relationships 	8
23			Area		
24			Volume		

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Unit 7 : Fundamentals of Geometry					
25	Jan	2-1-2019	Properties of Angles	Measurements & Geometry <ul style="list-style-type: none"> Analyze characteristics & properties of geometric shapes & develop arguments about their geometric relationships 	3
26			Congruent & Similar figures		
27			Quadrilaterals		
28			Parallel Lines		
29			Circles		
Unit 8 : Practical Geometry					
30	Jan	07-1-2019	Construction of Triangle	Measurements & Geometry <ul style="list-style-type: none"> Identify measurable attributes of objects , construct angles & two dimensional figures 	12
31			Construction of Quadrilateral		
32			Tangent to a Circle		
Unit 10 : Introduction to Coordinate Geometry					
33	Jan	17-1-2019	Introduction to Coordinate Geometry	Measurements & Geometry <ul style="list-style-type: none"> Analyze characteristics & properties of geometric shapes & develop arguments about their geometric relationships 	5
34			Distance Formula		
35			Collinear Points		