



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

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 –QUADRATIC EQUATIONS					
1	April	24/04/2018	Solution of Quadratic equations	Algebra (S2) <ul style="list-style-type: none"> Analyze number patterns and interpret mathematical situations by manipulating algebraic expressions and relations 	11
2			Quadratic formula	Algebra: <ul style="list-style-type: none"> Model and solve contextualized problems 	
3			Equations reducible to quadratic form	Algebra: <ul style="list-style-type: none"> Analyze number patterns and interpret mathematical situations by manipulating algebraic expressions and relations 	
4			Radical equations		
UNIT 8 - PROJECTION OF SIDES OF A TRIANGLE					
5	May	10/05/2018	Projection of sides of a triangle	Measurements and Geometry (S3) <ul style="list-style-type: none"> Analyze characteristics and properties of geometric shapes and develop arguments about their geometric relationships 	2

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UNIT 9 – CHORDS OF A CIRCLE					
6	May	14/05/2018	Chords of a circle	Measurements and Geometry : <ul style="list-style-type: none"> Analyze characteristics and properties of geometric shapes and develop arguments about their geometric relationships. 	2
UNIT 2 – THEORY OF QUADRATIC EQUATIONS					
7	May	16/05/2018	Nature of Quadratic Equations	Algebra: <ul style="list-style-type: none"> Model and solve contextualized problems. 	12
8			Synthetic Division	Algebra: <ul style="list-style-type: none"> Analyze number patterns and interpret mathematical situations by manipulating algebraic expressions and relations. 	
9			Solution of Simultaneous equations		

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UNIT 3 -VARIATION					
10	August	27/05/2018	Ratio, Proportion and Variation	Numbers and Operations (S1) <ul style="list-style-type: none"> Identify numbers, ways of representing numbers and effects of operations in various situations 	11
11			Theories on Proportion	Numbers and Operations: <ul style="list-style-type: none"> Compute fluently with fractions and decimals 	
12			K-Method	Numbers and Operations: <ul style="list-style-type: none"> Identify numbers, ways of representing numbers and effects of operations in various situations 	
UNIT 4 – PARTIAL FRACTIONS					
13	October	04/10/2018	Resolution of a fraction into partial fraction	Numbers and Operations: <ul style="list-style-type: none"> Compute fluently with fractions 	6
UNIT 11 – CHORDS AND ARCS					
14	October	14/10/2018	Chords and Arcs of a circle	Measurements and Geometry : <ul style="list-style-type: none"> Analyze characteristics and properties of geometric shapes and develop arguments about their geometric relationships 	3
UNIT 10 – TANGENTS TO A CIRCLE					
15	October	17/10/2018	Tangents to a circle	Measurements and Geometry : <ul style="list-style-type: none"> Analyze characteristics and properties of geometric shapes and develop arguments about their geometric relationships 	2

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UNIT 5 – SETS AND FUNCTIONS					
16	October	21/10/2018	Sets	Numbers and Operations: <ul style="list-style-type: none"> Identify numbers, ways of representing numbers and effects of operations in various situations 	8
17			Venn Diagrams		
18			Binary Relation		
19			Function		
UNIT 12 – ANGLES IN A SEGMENT OF A CIRCLE					
20	October	30/10/2018	Angles in a segment of a circle	Measurements and Geometry : <ul style="list-style-type: none"> Analyze characteristics and properties of geometric shapes and develop arguments about their geometric relationships 	3
UNIT 7 – INTRODUCTION TO TRIGONOMETRY					
21	November	04/11/2018	Measurement of an angle	Measurements and Geometry: <ul style="list-style-type: none"> Identify measurable attributes of objects, construct angles and two dimensional figures 	12
22			Trigonometric Ratios		
23			Trigonometric Identities	Measurements and Geometry: <ul style="list-style-type: none"> Recognize trigonometric identities 	
24			Angles of Elevation and angles of Depression	Measurements and Geometry: <ul style="list-style-type: none"> Identify measurable attributes of objects, construct angles and two dimensional figures 	

3rd 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 6 – BASIC STATISTICS					
25	December	30/12/2018	Frequency Distribution	Information Handling (S4) <ul style="list-style-type: none">To collect, organize, analyze, display and interpret data/information	9
26			Cumulative Frequency Distribution		
27			Measures of Central Tendency		
28			Measures of Dispersion		
UNIT 13 – PRACTICAL GEOMETRY – CIRCLES					
29	January	14/01/2019	Circles attached to Polygons	Measurements and Geometry: <ul style="list-style-type: none">Identify measurable attributes of objects, construct angles and two dimensional figures	12
30			Tangents to Circles		

Prepared by : Ms. Karthika Ajitha