



**Pakistan Urdu School- Kingdom of Bahrain**  
**Curriculum Implementation Plan for Mathematics GradeVII**

**FIRST TERM**

**8<sup>TH</sup> APRIL- 6<sup>TH</sup> SEPTEMBER [JUNE 8 - AUGUST 28 (SUMMER HOLIDAYS)]**

**NO OF DAYS : 46 + 11 = 57 DAYS**

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
1	April	9/04/18	<b>Unit 1. Sets</b>	<b>Standard 1. Numbers Operations</b>	
			<ul style="list-style-type: none"> <li>• Definition of Set.</li> </ul>	Define the set	1
			<ul style="list-style-type: none"> <li>• Representation of a set.</li> </ul>	Express a set in Descriptive, Set builder & Tabular form	1
			<ul style="list-style-type: none"> <li>• Types of set.</li> </ul>	Define and identify different types of sets	1
			<ul style="list-style-type: none"> <li>• Operations on sets.</li> </ul>	Find, union, intersection and difference of sets Verify different properties of sets	3
			<ul style="list-style-type: none"> <li>• Represent sets through Venn Diagrams</li> </ul>		2
				Worksheet	1
				<b>Total</b>	<b>9 Periods</b>
2	April	22/04/18	<b>Unit -2 Rational Numbers</b>	<b>Standard 1. Numbers Operations</b>	
			<ul style="list-style-type: none"> <li>• Definition of Rational Numbers</li> </ul>	Define the rational numbers  Represent rational numbers on a	2

				number line	
			<ul style="list-style-type: none"> <li>Operations on Rational Numbers</li> </ul>	<b>Addition, Subtraction, Multiplication &amp; division of rational numbers.</b>  <b>Properties related to rational numbers</b>  <b>Ascending &amp; Descending Order</b>	<b>4</b>
			<ul style="list-style-type: none"> <li>Assessment</li> </ul>		<b>1</b>
				<b>Total</b>	<b>7 Periods</b>
<b>3</b>	<b>May</b>	<b>02/05/18</b>	<b>Unit -3 Decimals</b>	<b>Standard 1. Numbers Operations</b>	
			<ul style="list-style-type: none"> <li>Conversion of Rational numbers</li> </ul>	Conversion of Decimal to Rational numbers	<b>1</b>
			<ul style="list-style-type: none"> <li>Terminating/non terminating Decimal Fractions</li> </ul>	<b>Define terminating &amp; non terminating decimal.</b> <b>Check whether the rational number is terminating or not.</b>	<b>1</b>
			<ul style="list-style-type: none"> <li>Approximation.</li> </ul>	Round off to a desired number of decimal places	<b>2</b>
			<ul style="list-style-type: none"> <li>Assessment</li> </ul>		<b>1</b>
				<b>Total</b>	<b>5 Periods</b>

4	May	9/5/18	<b>Unit – 7 Profit And Loss</b>	<b>Standard 1. Numbers Operations</b>	
			<ul style="list-style-type: none"> <li>• Profit, loss, discount &amp; overheads.</li> </ul>	Explain profit and loss %. Solve real life problems	4
			<ul style="list-style-type: none"> <li>• Taxes</li> </ul>	Explain & solve property tax & general sales tax problems	1
			<ul style="list-style-type: none"> <li>• Zakat &amp; Ushr.</li> </ul>	Define & solve problems related to Zakat & Ushr	2
			<ul style="list-style-type: none"> <li>• Assessment</li> </ul>		1
				<b>Total</b>	<b>8 Periods</b>
5	May	21/05/18	<b>Unit – Algebraic Expressions</b>	<b>Standard 2. Algebra</b>	
			<ul style="list-style-type: none"> <li>• Algebraic Expression</li> </ul>	Recall the algebraic terms Define polynomial	3
			<ul style="list-style-type: none"> <li>• Operations with Polynomials</li> </ul>	Add & Subtract a polynomial	4
			<ul style="list-style-type: none"> <li>• Assessment</li> </ul>		1
				<b>Total</b>	<b>8 Periods</b>
6	June	01/06/18	<b>Unit -11 Practical Geometry</b>	<b>Standard 3. Measurements &amp; Geometry</b>	
			<ul style="list-style-type: none"> <li>• Line Segment.</li> </ul>	Divide the line segment into equal segments	4

			• Assessment		1
				<b>Total</b>	<b>5 Periods</b>
7	August	28/08/18	<b>REVISION</b>	<b>First term portion</b>	<b>4 Periods</b>
				<b>TOTAL</b>	<b>46 PERIODS</b>



**Pakistan Urdu School- Kingdom of Bahrain**  
**Curriculum Implementation Plan for MATHEMATICS Grade VII**

**SECOND TERM**

23<sup>RD</sup> SEPTEMBER – 11<sup>TH</sup> DECEMBER

NO OF PERIODS : 45 + 11 (exams)= 56 DAYS

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
1	SEPTEMBER	23/09/18	4 . Exponents	Standard 1. Number Operations	
			• Concept of base & exponents	Identify base, exponent and value	1
			• Laws of exponents	Product law, Quotient law, power law , Zero exponent, Negative exponent	4
			• Assessment		1
				<b>Total</b>	<b>6 Periods</b>

<b>2</b>	<b>OCTOBER</b>	<b>01/10/18</b>	<b>5. Square root of a positive number</b>	<b>Standard 1. Number Operations</b>	
			<ul style="list-style-type: none"> <li>• Perfect square</li> </ul>	Define perfect square	<b>1</b>
			<ul style="list-style-type: none"> <li>• Properties of a perfect square</li> </ul>	Identify & apply Properties of a perfect square	<b>1</b>
			<ul style="list-style-type: none"> <li>• Test of perfect square</li> </ul>	Test whether a number is a perfect square or not	<b>1</b>
			<ul style="list-style-type: none"> <li>• Square root</li> </ul>	Define the Square root Find the square root by division factorization Method Solve the real life problems	<b>7</b>
			<b>Assessment</b>		<b>1</b>
				<b>Total</b>	<b>11 Periods</b>
<b>3</b>	<b>OCTOBER</b>	<b>16/10/18</b>	<b>6. Direct &amp; Inverse Proportion</b>	<b>Standard 1. Number Operations</b>	
			<ul style="list-style-type: none"> <li>• Proportion</li> </ul>	Direct & Inverse Proportion Continued Proportion Compound proportion	<b>4</b>
			<ul style="list-style-type: none"> <li>• Time ,work &amp; Distance</li> </ul>	Relation between time & Distance Real life problems	<b>2</b>
			<b>Assessment</b>		<b>1</b>
				<b>Total</b>	<b>7 Periods</b>
<b>4</b>	<b>OCTOBER</b>	<b>28/10/18</b>	<b>8. Algebraic Expression</b>	<b>Standard 2 . Algebra</b>	

			<ul style="list-style-type: none"> <li>• Operations with polynomial</li> </ul>	Find the product  Simplify algebraic expression involving addition, subtraction & multiplication	5
			Assessment		1
				Total	6 Periods
5	NOVEMBER	05/11/18	11.practical Geometry	Standard 3. Measurements & Geometry	
			Construction	Construction of triangles	4
			Assessment		1
				Total	5 Periods
6	NOVEMBER	11/11/18	12. Circles	Standard 3. Measurements & Geometry	
			<ul style="list-style-type: none"> <li>• <math>\pi</math></li> </ul>	Define $\pi$	1
			<ul style="list-style-type: none"> <li>• Circumference of circle</li> </ul>	Find the circumference of circle.	2
			<ul style="list-style-type: none"> <li>• Area of circle</li> </ul>	Find the area of circle.	2

			Assessment		1
				Total	6 Periods

9	November	21/11/18	REVISION	Second term portion	4 Periods
				<b>TOTAL</b>	<b>45 PERIODS</b>



## Pakistan Urdu School- Kingdom of Bahrain

### Curriculum Implementation Plan for **MATHEMATICS** Grade **VII**

#### THIRD TERM

30<sup>TH</sup> DECEMBER – 24<sup>TH</sup> MARCH

NO OF PERIODS : 47 + 11(exams)= 58 DAYS

No.	Month/Week	Starting Date	Topics from Textbook or Others (Specify Unit Titles and Numbers)	National Curriculum References (Competency, Standards, Themes)	Total Periods
1	DECEMBER	30/12/18	<b>8. Algebraic Expression</b>	<b>Standard 2 . Algebra</b>	
			<ul style="list-style-type: none"> <li>Algebraic identities</li> </ul>	Recognize & verify algebraic identities.	4
			<ul style="list-style-type: none"> <li>Factorization of algebraic expression</li> </ul>	Factorization of algebraic expression using algebraic identities.	3
			Assessment		1
				<b>Total</b>	<b>8 Periods</b>
2	JANUARY	10/01/19	<b>9. linear equation</b>	<b>Standard 2 . Algebra</b>	
			<ul style="list-style-type: none"> <li>Linear equation</li> </ul>	Define linear equation in one variable	1

			<ul style="list-style-type: none"> <li>Solve linear equation</li> </ul>	Solving the equation & real life problems	9
			<ul style="list-style-type: none"> <li>Assessment</li> </ul>		1
				<b>Total</b>	<b>11 Periods</b>
<b>3</b>	<b>JANUARY</b>	<b>29/01/19</b>	<b>10. Fundamentals of Geometry</b>	<b>Standard 3. Measurements &amp; Geometry</b>	
			<ul style="list-style-type: none"> <li>Properties of angles</li> </ul>	Define the properties of angles	1
			<ul style="list-style-type: none"> <li>Calculate the unknown angles</li> </ul>	Calculate unknown angles, angles in the triangles	4
			<ul style="list-style-type: none"> <li>Congruent &amp; Similar shapes</li> </ul>	Identify the congruent & Similar shapes. Apply the properties for two figures to be congruent or similar	1
			<ul style="list-style-type: none"> <li>Congruent Triangles</li> </ul>	Apply the properties for congruency between two triangles	1
		n	<ul style="list-style-type: none"> <li>Assessment</li> </ul>		1
				<b>Total</b>	<b>8 Periods</b>
<b>4</b>	<b>FEBRUARY</b>	<b>10/02/19</b>	<b>11.practical Geometry</b>	<b>Standard 3. Measurements &amp; Geometry</b>	
			<ul style="list-style-type: none"> <li>Parallelogram</li> </ul>	Construction of Parallelogram	2
			<ul style="list-style-type: none"> <li>Assessment</li> </ul>		1
				<b>Total</b>	<b>3 Periods</b>

5	FEBRUARY	13/02/19	13. Surface Area & Volume	Standard 3. Measurements & Geometry	
			<ul style="list-style-type: none"> <li>• Surface area &amp; Volume of cylinder</li> </ul>	Find the surface area & volume of cylinder Solve the real life problems	4
			<ul style="list-style-type: none"> <li>• Assessment</li> </ul>		1
				<b>Total</b>	<b>5</b>
6	FEBRUARY	20/02/19	14. Information Handling	Standard 3. Information Handling	
			<ul style="list-style-type: none"> <li>• Frequency Distribution</li> </ul>	Define Standard 3. Information Handling frequency distribution	2
			<ul style="list-style-type: none"> <li>• Bar Graph</li> </ul>	Construction of bar graph	2
			<ul style="list-style-type: none"> <li>• Pie Chart</li> </ul>	Interpret and draw pie graph.	2
			<ul style="list-style-type: none"> <li>• Assessment</li> </ul>		1
				<b>Total</b>	<b>7 Periods</b>
7	March	03/03/19	REVISION	Third TERM PORTION	5Periods
				<b>TOTAL</b>	<b>47 PERIODS</b>