AL-BAYAN INTERNATIONAL SCHOOL
مدرسة البيان الدولية

Mr. Yaseen Grade 7 Math Year Plan 2024-2025

August 27, 2024 – November 3, 2024 (45 Teaching Days)	November 4, 2024 – January 16, 2025 (39 Teaching Days)	January 19, 2025 – March 24, 2025 (45 Teaching Days)	March 25, 2025 – June 3, 2025 (30 Teaching Days)
Grade 7 Math			
Unit 1: THE NUMBER SYSTEM **Module 1: Adding and Subtracting Integers** - Adding Integers with the Same Sign (7.NS.1) - Adding Integers with Different Signs (7.NS.1) - Subtracting Integers (7.NS.1c) - Applying Addition and Subtraction of Integers (7.NS.3) **Module 2: Multiplying and Dividing Integers** - Multiplying Integers (7.NS.2b) - Dividing Integers (7.NS.2) - Applying Integer Operations (7.NS.3) - **Module 3: Rational Numbers** - Rational Numbers and Decimals (7.NS.2c) - Adding Rational Numbers (7.NS.1d) - Subtracting Rational Numbers (7.NS.1d) - Multiplying Rational Numbers (7.NS.2) - Dividing Rational Numbers (7.NS.2a) - Applying Rational Numbers Operations (7.EE.3)	**Unit 2: RATIOS AND PROPORTIONAL RELATIONSHIPS** **Module 4: Rates and Probabilities** - Unit Rates (7.RP.1a) - Constant Rate of Change (7.RP.2) - Proportional Relationships and Graphs (7.RP.2a) - Applying Addition and Subtraction of Integers 7.NS.3) **Module 5: Proportions and Percent** - Percent Increase and Decrease (7.RP.3) - Rewriting Percent Expressions (7.EE.2) - Applications of Percent (7.RP.3) **Unit 3: EXPRESSIONS, EQUATIONS AND INEQUALITIES** **Module 6: Expressions and Equations** - Algebraic Expressions (7.EE.1a) - One-Step Equations with Rational Coefficients (7.EE.4a) - Writing Two-Step Equations (7.EE.4) - Solving Two-Step Equations (7.EE.4a) - Inequalities(7.EE.4b)	**Unit 3: EXPRESSIONS, EQUATIONS AND INEQUALITIES** **Module 7: Inequalities** - Writing and Solving One-Step Inequalities (7.EE4b) - Writing Two-Step Inequalities (7.EE.4) - Solving Two-Step **Unit 4: GEOMETRY** **Module 8: Modeling Geometric Figures** - Similar Shapes and Scale Drawings (7.G.1) - Geometric Drawings (7.G.2) - Cross Sections (7.G.3) - Angle Relationships (7.G.5a) **Module 9: Circumference, Area, and Volume** - Circumference (7.G.4) - Area of Circles (7.G.4) - Area of Composite Figures (7.G.6a) - Solving Surface Area Problems (7.G.6) - Solving Volume Problems (7.G.6b)	**Unit 5: STATISTICS** **Module 10: Random Samples and Populations** - Populations and Samples (7.SP.1) - Making Inferences from a Random Sample (7.SP.2) - Generating Random Samples (7.SP.2) **Module 11: Analyzing and Comparing Data** - Comparing Data Displayed in Dot Plots (7.SP.4) - Comparing Data Displayed in Box Plots (7.SP.3) - Using Statistical Measures to Compare Populations (7.SP.3) **Unit 6: PROBABILITY** **Module 12: Experimental Probability** - Probability (7.SP.5)) - Experimental Probability of Simple Events (7.SP.6a) - Experimental Probability of Compound Events (7.SP.8a) - Making Predictions with Experimental Probability (7.SP.6)

Math Support 6-8			
Unit 1: Number Systems: - Understand the concept of whole numbers, integers, and rational numbers. - Add, subtract, multiply, and divide whole numbers, integers, and rational numbers. - Solve real-world problems involving number systems. - Use number systems in calculations and problem-solving. **Unit 2 - Fractions:** - Identify and represent fractions. - Understand the concept of equivalent fractions.Add, subtract, multiply, and divide fractions. - Solve real-world problems involving fractions. -	**Unit 3 - Decimals:** - Convert between fractions and decimals. - Add, subtract, multiply, and divide decimals. - Solve real-world problems involving decimals. - Use decimals in calculations and problem-solving. **Unit 4 - Percentages:** - Calculate percentages using fractions or decimals. - Solve real-world problems involving percentages. - Use percentages in calculations and problem-solving.	**Unit 5 - Ratios and Proportions:** - Understand the concept of ratios and proportions. - Solve real-world problems involving ratios and proportions. - Use ratios and proportions in calculations and problem-solving. **Unit 6: Geometry:** - Identify and draw geometric shapes. - Solve geometric problems and measure angles, area, and volume. - Use geometric shapes in problem-solving and real-world applications. - Understand and apply geometric concepts in real-world contexts.	**Unit 7: Measurement:** - Measure different lengths, area, and volume using standard units of measurement. - Understand the concept of measurement systems and conversions. - Solve real-world problems involving measurement. - Use measurement skills in calculations and problem-solving. **Unit 8: Statistics:** - Collect and organize data. - Calculate measures of central tendency (mean, median, and mode). - Analyze and interpret data using graphs and charts. - Solve real-world problems involving statistics. - Use statistics to make predictions and draw conclusions. **Unit 9: Practice Problem-Solving Strategies:** - Apply problem-solving strategies to tackle mathematical problems. - Use logical reasoning to make deductions and conclusions. - Analyze problems and identify relevant information. - Develop strategies for breaking down complex problems into smaller, manageable parts.