	DIVISIONAL PUBLIC SCHOOL Sahiwal **Cambridge Campus** **Demonstration Topics of Math**	

Guidelines for Demonstration Lesson
Each candidate will be given 10 minutes for the demonstration.
Candidates may choose any topic of their own choice related to their subject.
Candidate should submit the lesson plan/activity planner based on the assigned topic before the demonstration.
Candidate should clearly share the learning objectives at the beginning of the lesson.
Candidate should demonstrate clear delivery of the concept.
Candidate should include a relevant activity/demonstration related to the topic.
Candidate should design and ask effective oral and verbal questions during the lesson.
Candidate should include a short assessment/Worksheet to check students' understanding.
Each criteria carries marks: sharing of lesson objectives, delivery of concept, design of oral and verbal questions, quality of assessment, and subject-based vocabulary

1	**Comparing Numbers**	**Comparing Numbers** 1. Students will be able to compare numbers by using the comparison symbols (>, <, =). 2. Students will be able to arrange numbers according to ascending or descending order.
2	**Time**	1. Students will read and write time to the nearest hour and half-hour using both analog and digital clocks. 2. Students will solve simple questions involving "before" and "after" the hour and identify time in daily life activities (e.g., 7 o'clock = breakfast time).
3	**Unit Conversion**	1. Students will identify and describe common units of measurement for length (meters, centimeters), mass (kilograms, grams), and capacity (liters, milliliters). 2. Students will be able to explain how larger units convert into small units and vice versa.
4	**Symmetry**	types of symmetry(vertical,horizontal,symmetry in art,nature). 1. identify the basic shapes and their line of symmetry. 2. student will be able to identify the symmetry order in nature (flowers, patels pattern).
5	**Properties of Triangle**	1. Students will identify a triangle and name of its parts (sides, vertices, and angles). 2. Students will classify triangles based on sides (equilateral, isosceles, scalene) and angles (acute, right , obtuse, reflex, complementary, supplementary).
6	**Rounding and significant figur**	1. Students will be able to round whole numbers and decimals to a given place value (nearest 10, 100, tenth, hundredth) using place value rules correctly. 2. Students will be able to recognize significant figures in given numbers and round numbers to a specified number of significant figures accurately.
7	**Probability**	(Concept of chance, Events in daily life, Sample space) students will be able to: 1: Identify impossible, certain, and possible events. 2: Conduct simple experiments and calculate experimental probability and list the possible outcomes.

8	Pythagoras Theorem	(Right-angled triangle, adjacent, opposite and hypotenuse). Students will be able to: 1: identify the right angle triangle and its parts . 2: Apply the theorem to solve real-life problem.
9	Coordinate Geometry	(cartesian plan, distance and gradient) students wil be able to : 1. identify the axis and plot points differently in different quadrants. 2: calculate the distance between two points.