City Governments Of Addis Ababa Education Bureau
Curriculum Development and Implementation Directorate.

Subject Mathematics GRADE 7 make up class						
No	Unit	Content	Sub content	No of periods (at normal condition)	No of condensing periods	Unit outcomes
1	1	Rational Numbers	➢ The concept of Rational Numbers	9	1	After completing this unit the students should be able to ➢ Define and represent rational numbers as fractions ➢ Show the relationship among N,W,Z and Q ➢ Order Rational Numbers ➢ Perform operation with Rational Numbers
			➢ Comparing and ordering Rational Numbers	7	1	
			➢ Operation on Rational Numbers	16 total 32	2 Total 4	
2	2	Linear Equations and Inequalities	➢ Solving Linear Equations	13	2	After completing this unit the students should be able to ➢ Solve linear equations using transformation rules ➢ Solve linear inequalities using transformation rules
			➢ Solving Linear Inequalities	12 total 25	2 Total 4	
3	3	Ratio, proportion and Percentage	➢ Ratio and Proportion	6	1	After completing this unit the students should be able to ➢ Understand the notions of ratio and proportions ➢ Solve problems related to percentage ➢ Make use of the concept of percentage to solve problems of profit, loss and simple interest
			➢ Further on Percentage	7	1	
			➢ Application of percentage in calculation	11 total 24	2 Total 4	
4	4	Data Handling	➢ Collecting Data using Tally Mark	5	1	After completing this unit the students should be able to ➢ Collect data and construct simple line graph and pie chart for a given data ➢ Calculate the mean, median and mode of a given data ➢ Find the range of a given data
			➢ Construction and interpretation of Line Graphs and Pie Chart	10	2	
			➢ The Mean, Mode, Median and Range of Data	5 total 20	1 Total 4	
5	5	Geometric	➢ Quadrilaterals,	12	2	After completing this unit the students should

		Figures and Measurement	polygons and Circles			be able to ➢ Identify, construct and describe properties of quadrilaterals such as trapezium and parallelogram ➢ Identify the difference between concave polygons ➢ Find the sum of the measures of the interior angles of a convex polygon ➢ Calculate perimeters and areas of a triangle and trapeziums
			➢ Theorems of Triangles	11	2	
			➢ Measurement	17 total 40	3 Total 7	
Subject Mathematics GRADE 8 make up class						
No	Unit	Content	Sub content	No of periods (at normal condition)	No of condensing periods	Unit outcomes
1	1	Squares, Square Roots, Cubes and Cube Roots	➢ The Square of a Number	5	1	After completing this unit the students should be able to ➢ Understand the notion square and square roots and cubes and cube roots. ➢ Determine the square roots of the perfect square numbers. ➢ Extract the approximate square roots of numbers by using the numerical table. ➢ Determine cubes of numbers. ➢ Extract the cube roots of perfect cubes.
			➢ The Square Root of a Rational Number	8	1	
			➢ Cubes and Cube Roots	7 Total 20	1Total 3	
2	2	Further on Working With Variables	➢ Further on Algebraic Terms and Expressions	8	1	After completing this unit the students should be able to ➢ solve life related problems using variables

			➢ Multiplication of Binomials	7	1	➢ Multiply binomial by monomial and determine the product of binomials ➢ Determine highest common factor of algebraic expressions.
			➢ Highest Common Factors	10 Total 25	1 Total 3	
3	3	Linear Equation and Inequalities	➢ Further on Solutions of Linear Equations	10	1	After completing this unit the students should be able to ➢ Understand the concept equations and inequalities ➢ Develop their skills on rearranging and solving linear equations and inequalities ➢ Apply the rules of transformation of equations and inequalities for solving problems ➢ Draw a line through the origin whose equation is given.
			➢ ➢ Further on Linear Inequalities	10	1	
			➢ Cartesian Coordinate System	10 Total 30	1 Total 3	
4	4	Similar Figures	➢ Similar Plane Figures	8	1	After completing this unit the students should be able to ➢ know the concept of similar figures and related terminologies ➢ Understand the condition for triangles being similar. ➢ Apply tests to check whether two given triangles are similar or not.
			➢ Similar Triangles	17 Total 25	2 Total3	