York Public Schools   Subject Area_____ Grade_____ Course_____

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Unit 1 Number Sense	**MA.7.1.1.a,b Represent and show relationships among rational numbers**	**Compare, order, and show equivalence among fractions, decimals, and percents.**	**8**	**Aug**	**Unit 1 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.NS.A.1,2 Apply and extend knowledge of operations rational numbers	**Add, subtract, multiply and divide with rational numbers.**	**9**	**Sept**	**Unit 1 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	MA.7.1.3.a,b Compute fluently accurately using strategies and tools	**Compute with integers. Select, apply, and explain problem solving using rational numbers.**	**7**	**Sept**	**Unit 1 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	6.NS.C.7	**Understand ordering and absolute value of rational numbers**	**3**	**Sept**	**Unit 1 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
Unit 2 Rates, Estimation, and Exponents	**MA.7.1.4.a Estimation methods, practice, and reasonableness**	**Make reasonable estimations and check for reasonableness**	**4**	**Oct**	**Unit 2 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	

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	7.RP.A.1,2,3 Analyze proportional relationships and use them to solve real-world problems	**Compute unit rates, and represent proportional relationships between quantities**	**5**	**Oct**	**Unit 2 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	MA.7.1.3.c Compute fluently and accurately using tools and strategies	Solve percent problems accurately	**2**	**Oct**	**Unit 2 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	MA.7.1.1.c Represent and show relationships among rational numbers	**Represent large numbers using scientific notation.**	**2**	**Oct**	**Unit 2 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
Unit 3 Expressions, Equations, and Inequalties	**MA.7.3.1.a,b Represent and analyze relationships using algebraic symbols**	**Create and describe expressions and inequalities from words, tables, and graphs**	**5**	**Oct**	**Unit 3 Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	MA.7.3.2.a Create, use and interpret quantitative relationships	**Model problems appropriately**	**4**	**Oct**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	

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	MA.7.3.3.c,d,e Apply properties to solve equations and inequalities	**Use order of operations to solve two-step equations and inequalites**	**10**	**Nov**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.EE.B.3,4 Solve real-life problems using numerical and algebraic expressions and equations	**Represent, construct, and solve real-world mathematical problems**	**10**	**Nov/Dec**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.EE.A.1,2 Use properties of operations to generate equivalent expressions	Apply properties to solve and rewrite linear expressions	**10**	**Dec**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
Unit 4 Statistics and Probability	**MA.7.4.1.a,b Central Tendency**	**Compute Mean, Median Mode and determine best measure of central tendency**	**7**	**Jan**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	MA.7.4.1.b	**Find and interpret mean, median, mode, and range for sets of data**	**3**	**Jan**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	

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	MA.7.4.3.a/ 7.SP.C.5	Find the probability of independent compound events.	5	Jan	Unit Test	Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities	
	MA.7.4.3.b/ 7.SP.C.7	Compare and contrast theoretical and experimental probabilities	5	Jan	Unit Test	Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities	
	7.SP.C.6	Find and use experimental probability	5	Feb	Unit Test	Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities	
	7.SP.C.8	Find the probabilities of compound events using lists, tables, tree diagrams, and simulation.	5	Feb	Unit Test	Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities	
	7.SP.A.1	Understand that statistics can be used to gain information about a population using random sampling	2	Feb	Unit Test	Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities	

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	7.SP.A.2	Use data from a random sample to draw inferences about a population with an unknown characteristic of interest.	2	**Feb**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.SP.B.3	Measure the difference between two data distributions by expressing it as a multiple of a measure of variability.	2	**Feb**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.SP.B.4	Use mean, median, and mode of numerical data from random samples to draw inferences.	2	**March**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
Unit 5 Geometry	**MA.7.2.2.a**	**Plot the location of an ordered pair in the coordinate plane**	2	**March**		**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	

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	MA.7.2.2.c	**Find the distance between points along horizontal and vertical lines of a coordinate plane**	**2**	**March**		**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	MA.7.2.3.b	**Perform and describe positions and orientation of shapes under a single transformation on a coordinate plane**	**5**	**March**		**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	MA.7.2.5.b	**Determine the area of trapezoids and circles, and the circumference of circles.**	**3**	**March**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.G.B.4	**Know the formulas for the area and circumference of a circle and use them to solve problems.**	**6**	**March**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	

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	7.G.B.5	**Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.**	**4**	**April**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.G.B.6	**Solve real-world and mathematical problems involving area, volume, and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prism.**	**4**	**April**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.G.A	Draw, construct, and describe geometrical figures and describe the relationships between them	**2**	**April**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	

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	7.G.A.1	Solve problems involving scale drawings of geometric figures.	2	**April May**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.G.A.2	Draw geometric shapes with given conditions.	2	**April May**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	
	7.G.A.3	Describe the two-dimensional figures that result from slicing three-dimensional figures.	2	**May**	**Unit Test**	**Textbook, www.khanacademy.org compass learning, C4L, iPad, computer, and in class games/activities**	

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