Revised 09/23/19

JC Schools Tech Math II Yearly Standards

Overarching Standards (Taught in all units)

3.NBT.A.3
Demonstrate fluency with addition and subtraction within 1000

3.RA.C.8
Demonstrate fluency with products within 100

Units	Priority Standards	Supporting Standards
Unit 1 **Number Sense**	**3.RA.C.7** Multiply and divide with numbers and results within 100 using strategies such as the relationship between multiplication and division or properties of operations. Know all products of two one-digit numbers. **4.NF.A.2** Recognize and generate equivalent fractions ****Includes writing in simplest form, writing as improper and mixed**** **7.NS.A.1.a-f** Apply and extend previous understandings of numbers to add and subtract rational numbers. a. Add and subtract rational numbers. b. Represent addition and subtraction on a horizontal or vertical number line. c. Describe situations and show that a number and its opposite have a sum of 0 (additive inverses).	**6.NS.C.5** Use positive and negative numbers to represent quantities. **7.NS.A.3** Solve problems involving the four arithmetic operations with rational numbers. ****For this standard, keep rational numbers to integers and fractions only****

	d. Understand subtraction of rational numbers as adding the additive inverse. e. Determine the distance between two rational numbers on the number line is the absolute value of their difference. f. Interpret sums and differences of rational numbers. ****For this standard, keep rational numbers to integers only****	
Unit 2 **Algebra & Algebraic Thinking**	**6.GM.A.3.a** Solve problems by graphing points in all four quadrants of the Cartesian coordinate plane. a. Understand signs of numbers in ordered pairs as indicating locations in quadrants of the Cartesian coordinate plane **7.EEI.A.1** Apply properties of operations to simplify ~~and to factor~~ linear algebraic expressions with rational coefficients. **7.EEI.B.4.a,b** Write and/or solve linear equations ~~and inequalities~~ in one variable. a. Write and/or solve equations of the form x+p=q and px=q in which p and q are rational numbers. b. Write and/or solve two step equations of the form px+q=r and p(x+q)=r, where p,q and r are rational numbers, and interpret the meaning of the solution in the context of the problem. **A1.CED.A.2** ~~Create and~~ graph linear, ~~quadratic, and exponential~~ equations in two variables.	**8.EEI.B.5.a** Graph proportional relationships. a. Interpret the unit rate as the slope of the graph. **8.EEI.B.6.a,b** Apply concepts of slope and y-intercept to graphs, equations and proportional relationships. a. Explain why the slope (m) is the same between any two distinct points on a non-vertical line in the Cartesian coordinate plane. b. Derive the equation y = mx for a line through the origin and the equation y = mx + b for a line intercepting the vertical axis at b.

Unit 3 **Measurement & Data**	**8.DSP.A.1** Construct and interpret scatter plots of bivariate measurement data to investigate patterns of association between two quantities	