Content Area & Materials	Learning Objectives		Tasks	Check-in Opportunities	Submission of Work for Grades
Digital (If you can work digitally, please do. It will help to keep us all safe ③) • Khan Academy (KA) Access Code on Edmodo	 <u>Suggested Order / Pacing</u> Review Graphing Quadratics: N Form (Monday) Quadratic Word Proble (Tuesday) Quadratic Functions & Equations: Quiz ½ (Wednesday) Forms & Features of Quadratic Functions (Thursday) Finding Features of Quadratic Functions (Frequencies of Quadratic Functions) 	ems	 Students are to complete the assigned Khan Academy assignments. After completing the Khan Academy assignments, please complete the summary assignment. 	Mrs. Wong is available during office hours indicated below. You can reach Mrs. Wong during these office hours via: • Zoom link provided in Edmodo • Email cwong@tusd.net	 KA assignments will be recorded with the highest scores attained
Hard Copy (Please only use this if you do not have technology available) Notes + Examples Assignments Do these assignments ONLY if you do not have digital access.	 <u>Suggested Order / Pacing</u> Review Graphing Quadratics: N Form (Monday) Quadratic Word Proble (Tuesday) Quadratic Functions & Equations: Quiz ½ (Wednesday) Forms & Features of Quadratic Functions (Thursday) Finding Features of Quadratic Functions (Free) 	ems	 Students are to read the lesson and examples provided On a separate sheet of paper for each assignment, complete ALL problems showing your work. 	Mrs. Wong is available during office hours indicated below. You can reach Mrs. Wong during these office hours via: • Zoom link provided in Edmodo • Email cwong@tusd.net	 Group your work together for your math class IN ORDER, and with the following labels clearly displayed: Student Name: Teacher Name: Class Name/Subject: Period: Assignment Week # Assignments will be scored on accuracy.
 Scheduled, if possible, Discussion Scaffolds & Supports 	Zoom classes will be held on Tuesdays and Thursdays for 30 minutes, followed by 30 minutes of office hours. Schedule meetings during office hours by emailing me. Discussions will revolve around discovery and application of concepts assigned for the week. KA assignments can often be re-tried to improve learning.				
To maker Office Haven	Videos are utilized to demonstr Monday Tuesda		only key concepts, but Wednesday	also frequent points of errors, help Thursday	ping students avoid pitfalls.
Teacher Office Hours2 hours daily (all classes):ContactPlatform	10:00 am-12:00 10:00 am- pm	-12:00	10:00 am-12:00 pm	10:00 am-12:00 pm	10:00 am-12:00 pm

Student Name: Teacher Name: Wong Class Name/Subject: Algebra 1 Period: Assignment Week #: 3	NOTES: Complete all work on a separate sheet of paper. Include the heading provided on each worksheet you turn in. Show all work.				
Monday	The strategy The equation is in vertex form $y = a(x - h)^2 + k$. To graph the parabola, we need its vertex and another point on the parabola. • In vertex form, the vertex coordinates are simply (h, k) . • The other point can be a point next to the vertex (where $x = h \pm 1$). Finding the vertex The coordinates of the vertex of a parabola in the form $y = a(x - h)^2 + k$ are (h, k) . Note that h is found when it is <i>subtracted</i> from x . For this reason, let's rewrite the given equation as follows: $y = 4(x - 2)^2 - 6$ Therefore, the vertex is at $(2, -6)$. Finding another point When the equation is given in vertex form, it's usually best to look for another point that is	The vertex of the parabola is at $(2, -6)$ and another point on the parabola is at $(1, -2)$. Therefore, this is the parabola:			
Tuesday	when the equation is great in order to form, it's usually best to four for another point that is the vertex. Since the vertex is at $x = 2$, let's plug $x = 1$ into the equation. $y = 4(1-2)^2 - 6$ $= 4(-1)^2 - 6$ = 4 - 6 = -2 • A soccer boll is kicked from the ground with an initial upw				
locsudy	Po feet per second. The equation $h = -16t^2 + 90t$ gives the height h of the ball after t seconds. a. Find the maximum height of the ball. $t = \frac{-90}{2(-10)} = \frac{-90}{-32} \approx 2.81$ $h = -16(2.81)^2 + 90(2.81) \approx 126.516$ b. How many seconds will it take for the ball to reach the ground? $-16t^2 + 90t = 0$ t = 0 t = 5.625				
	A rocket is launched from a platform. Its height (in meters), x seconds after the launch, is more $h(x) = -4(x+2)(x-18) + \frac{2}{4} + \frac{1}{4} +$	$-8 - 9 \cdot 2$ -8 $h? h(0) = -42 \cdot (-18)$ $he ground? [X+2-0] X-18=0$ $b seconds X = 2 X = 18$ $cket reach its maximum height?$			





