Content Area & Materials	Learning Objectives	Τα	sks	Check-in Opportunities	Submission of Work for Grades		
Digital (If you can work digitally, please do. It will help to keep us all safe (2) • Khan Academy (KA) Access Code on Edmodo	Suggested Order / Pac Review Comparing Fea Quadratic Func (Monday) Intro to Parabole Transformations Scale and Refle (Wednesday) Quadratic Func Equations Quiz S Reflection (Fride	tures of tions a (Tuesday) ct Parabolas tions & 5 (Thursday)	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 the 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 Submit the reflection through a picture via Edmodo 		
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 Comparing Features of Quadratic Functions (Monday) Intro to Parabola Transformations (Tuesday) Scale and Reflect Parabolas (Wednesday) Quadratic Functions & Equations Quiz 5 (Thursday) Reflection (Friday) 		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 the 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 	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.						
Scaffolds & Supports	KA assignments can often be re-tried to improve learning. Videos are utilized to demonstrate not only key concepts, but also frequent points of errors, helping students avoid pitfalls						
 Teacher Office Hours 2 hours daily (all classes): Contact Platform 	Monday 10AM-12PM	Tuesday 1PM Alg. 1 (30 min) followed by Q&A	Wednesday 10AM-12PM	Thursday 1PM Alg. 1 (30 min) followed by Q&A	Friday 10AM-12PM		

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Student Name: Teacher Name: Wong	NOTES: Complete all work on a separate sheet of paper.					
Class Name/Subject: Algebra 1	Include the heading	ng provided or	n each worksheet you turn			
Period: Assignment Week #: 5	in. Show all work.		·			
Monday	Which function has a greater maximum? $f(x) = -3(x-8)^2 + 6$	t $(-7,7)$. Since it's open down, the vertex is a maximum				
	y					
	f is given in vertex form: $f(x) = -3(x-8)^2 + 6$					
	$y = g(x) \begin{array}{c} 4 \\ 3 \\ 2 \end{array}$	This means its vertex is at $(8, 6)$.				
			down, which means its vertex is its maximum.			
	-3- -4-	So the maximum value of f is 6.				
	f has a maximum of 6, while g has a maximum of 7.					
	Therefore, g has a greater maximum than f .					
Tuesday	C. I. D. I.L. A. M.L. T.	flip parabola if "a" is (-).	t dan antika terbahari mini yatum terbahari mini perenanti mini			
Tuesday	Graphing Parabolas in Vertex Form	moves parabola UR # Think opposite!	* u w			
	* Vertex Form for a parabola: pattern: from vertex axis of symm: Verti	y - a (a ti) in up/down	* Writing			
Finding the	ZITI X=h stretch	s or vertex. the parabola.				
vertex when	CX: $y = -(x+2)^2 - 3$ Describe the the		an equation () Find the (2) Check the (3) If parabol (4) (4) (4) (4) (4) (4) (4) (4)			
the quadratic	flip the parabola down 3		ind the ind the inck the f parata			
is in vertex	left 2	2.2. O Valar Tan	the patter the patter vala is f vater stretch : y=			
form is always the easiest.	ex: $y = 2(x-1)^2 + 4$ Vertex: $[(1,4)]$ p_1 up 4 Axis of Symm: $[x=-$ use the x-value of the vertex or "h".	ex: y= 3x + 2 verch ((0,2)) No up 2 Aris of Symme: Munkmant (X=0)				
	flip Ll un3	rentex a max or a min?	haph: $y = a(x+h)^2 + k$ (h, k) br stretches or shrinks \rightarrow a ped over the x-axis \rightarrow make a ped over the x-axis \rightarrow make a $(x-3)^2 + 0$ $figure the x-axis \rightarrow make a(x-3)^2 + 0 figure the x-axis \rightarrow make ay = a(x-h)^2 + k$			
	stretch Vertex: (-1,3)		x + c + the			
	by pattern: ⇒1 11. ⇒2 44		y= a (x-h) ² +k he x-axis -> mak he x-axis -> mak ex ft ft the x-axis -> mak he x-axis -> mak he x-axis -> mak he x-axis -> mak he x-axis -> mak			
		39				
	H H eduoni	7	y= $a (x-h)^{2}+k$ the x-axis -> make a negative wpside-down ex: \exists vertex: (-3,- shrunk by $\frac{1}{2}$ \vdots $\frac{1}{2}$ vertex: (-3,- $\frac{1}{2}$ vertex: (-3,-) (-3,-) vertex: (-3,-) (-3,-) vertex: (-3,-) (-3,-) vertex: (-3,-) (-3,-) vertex: (-3,-) (-3,-) vertex: (-3,-) (-3,-) vere			
	ex: $y = \frac{1}{2} (x-1)^2 - 1$ Graph. Is the (Spring) + Vertex, (1,-1)	vertex a max or a min?	ke a negativ upside-dave upside-dave vertex: (-3, vertex: $(-3, y) = \frac{1}{2} (x)$			
	T T Dattern: 21 11	½=↑½. ·½=↑2	but ve.			
		12-1-	$\frac{d1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $(x+3)^2 - 2$			
[]	1. The standard form of a quadratic equation is $\underline{V} = 0$	1x2+bx+c	L LOUIS HINEPPER AMERICANY NERVELAND USES			
Finding the	2. The curve formed by a quadratic equation is called a					
vertex when the quadratic	3. The formula for the axis of symmetry is $X = -\frac{b}{2a}$					
is in standard	4. If the vertex is the highest point on the graph, it is ca		There are multiple ways of			
form requires	5. If a vertex is the lowest point on a graph, it is called a <u>Minimum</u> . Directions: Find the axis of symmetry and vertex for the following guadratic equations. Then, sketch					
a few extra	the parabola and label all parts. 6. $y = x^2 + 6x + 4$ Axis of S	ymmetry: <u> </u>	It depends on the form the			
steps.	$\chi = \frac{-(b)}{2(1)} = \frac{-b}{2} = -3$ Sketch:	$\uparrow\uparrow\uparrow$	equation is written in.			
	$y = (-3)^2 + b(-3) + 4$	(-3,-5)				
	= 9-18+4 = -5	√ _{X=-3}				





