Grade 9-11
Distance Learning Module 8: Week of: May 26th – May 29th

Algebra I Level 3 - *Modified from Unit F - Beyond a Straight Line*

Targeted Goals from Stage 1: Desired Results

Content Knowledge: what changing the parameters of $y = a(x - h)^2 + k$ does to the graph of the parent function, what is the terminology associated with a parabola

Vocabulary: Parabola, vertex, line of symmetry, x-intercept(s), y-intercept, quadratic standard form, vertical shift, horizontal shift, stretch, shrink, maximum, minimum

Skills: finding the vertex of $y = a(x - h)^2 + k$, finding the axis of symmetry of $y = a(x - h)^2 + k$, finding the x and y intercepts of $y = a(x - h)^2 + k$

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: No School	No School	No School
Tuesday: Investigating $y = a(x - h)^2 + k$	Investigation Task	Upload Task
Wednesday: How to graph $y = a(x - h)^2 + k$	Graphing Vertex Form Video Note Sheet	Midweek Check-In
Thursday: Practice	Khan Video	Khan Exercise
Friday: Check In	Review Document Live Session	End of Module Check-In

Week criteria for success (attach student checklists or rubrics):

SWBAT:

- Identify the different parts of a parabola such as a vertex, intercepts, etc.
- Describe how each parameter of quadratic vertex form affects how the graph of a parabola moves
- Graph a parabola from quadratic vertex form using 3 points

Supportive resources and tutorials for the week (plans for re-teaching):

- Daily Office hours and meetings by appointment
- Rewatch Khan Videos
- Purple Math - This is a website that provides guides notes to students
- Special Ed students can be assigned aligned iXL activities if needed