

## Quadratic Graphs Task Project

Students will describe and recognize characteristics of quadratic functions.

Task: Students are to come up 2 scenarios (One when the vertex is a minimum and one when the vertex is a maximum). Be creative and think outside the box.

Create a graph like we have been analyzing the past week depicting both scenarios (vertex as a minimum and vertex as a maximum).

Label your X and Y axis's, determine the X intercepts if any and the Vertex. Explain what they mean.

Your graph should tell the story. In a short paragraph explain your graph as we have done with numerous examples.

You should have 2 graphs. You will be graded on creativity and thoroughness of the task. ie does the graph illustrate what your scenario suggests? Did you explain all the key features of the graph? Is your summary complete & explain what is represented?